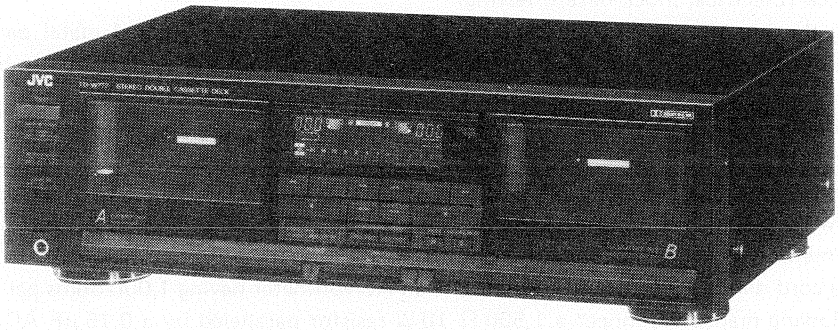
JVC

SERVICE MANUAL

STEREO DOUBLE CASSETTE DECK

TD-W777 A/B/C/E/G/J/U



Area suffix	
A	Australia
B	U.K.
C	Canada
E	Continental Europe
G	W. Germany
J	U.S.A.
U	Other Areas

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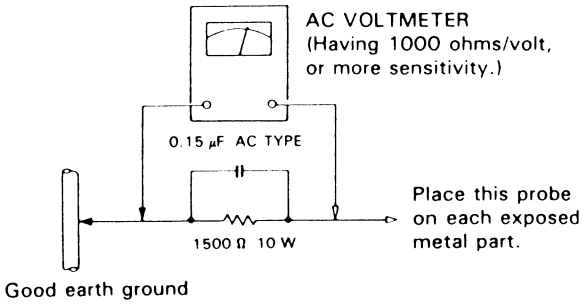
No. 4292
April. 1988

1 Safety Precautions

1. The design of this product contains special hardware and may circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by (⚠) on the Schematic Diagram and Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage current check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10 W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).


AC VOLTMETER
(Having 1000 ohms/volt, or more sensitivity.)
0.15 μF AC TYPE
1500 Ω 10 W
Place this probe on each exposed metal part.
Good earth ground

Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

2 Features

- **Auto-reverse mechanism in both decks**
  - Flip reverse head system
  - Quick reverse mechanism using infrared sensor
- **2-motor full logic mechanism in both decks**
  - Motor used exclusively for the mechanism drive
- **Continuous playback**
- **Dolby B-C noise reduction system**
  - Built-in MPX filter
- **Centerized display using two-colored LCDs**
  - 2-color peak level indicator
  - Electronic counter displays for the two tape mechanism
  - Dubbing mode indicator
- **Auto tape select mechanism for both decks A and B**
- **Timer start mechanism**
- **Microcomputer-controlled mechanisms**
  - Auto record muting and synchro record muting (deck B)
- **Single music scan mechanism for either direction**
  "Under license from Staar S.A., Brussels, Belgium"
- **Input balance slide control and input level slide control**
- **Synchro start (normal-/high-speed) dubbing**
- **COMPU LINK control system**

3 Specifications

Type : Stereo double cassette deck
Track system : 4-track, 2-channel
Tape speed : 1-7/8 inch/sec (4.8 cm/sec)
Frequency response : (—20 dB recording)
Metal tape; 20—17,000 Hz
30—16,000 Hz (±3 dB)
Chrome tape; 20—17,000 Hz
30—15,000 Hz (±3 dB)
Normal tape; 20—16,000 Hz
30—15,000 Hz (±3 dB)
SN ratio : 58 dB (S = 1 kHz, K3 = 3%, N = A-weighted, Metal tape)
The S/N is improved by about 15 dB at 500 Hz and by max. 20 dB at 1 kHz ~10 kHz with Dolby C NR on and improved by 5 dB at 1 kHz and by 10 dB at above 5 kHz with Dolby B NR on.
Improvement t of MOL : 4 dB at 10 kHz with Dolby C NR on on
Wow and flutter : 0.08% (WRMS)
Channel separation : 40 dB (1 kHz)
Crosstalk : 60 dB (1 kHz)
Harmonic distortion : K3; 0.5%, THD; 1.0%
(metal tape, 1 kHz, 0 VU)
Heads : Deck A; METAPERM head for playback x 1
Deck B; METAPERM head for recording/playback, 2-gap ferrite head for erasure
Combination head x 1

Motors : Electronic governed DC motor for capstan x 1
DC motor for reel x 1
DC motor for mechanism drive × 1
(For both decks **A** and **B**)
Fast forward/
Rewind time : Approx. 100 sec with C-60 cassette
Input terminals
LINE IN : Min. input level; 80 mV
(X1 circuit) Input impedance; 50 kΩ
Output terminals
LINE OUT : Output level; 300 mV
(X1 circuit) Output impedance; 5 kΩ
PHONES x 1 : Output level; 0.3 mW/8 Ω
Matching impedance; 8 Ω ~ 1 kΩ
Other terminals : COMPU LINK-1/SYNCHRO x 2
Power requirement
TD-W777A/B : AC 240 V, 50/60 Hz
TD-W777E/G : AC 220 V, 50/60 Hz
TD-W777C/J : AC 120 V, 60 Hz
TD-W777U : AC 230/127/110 V, 50/60 Hz
Power consumption : With power switch on; 18 W
With power switch standby; 1.2 W
Dimensions (W x H x D): 435 x 133 x 280 mm
(17-3/16" x 5-1/4" x 11-1/16")
Weight : 4.5 kg (10 lbs)

Accessories : Pin plug cord 2
Remote cable 1

Design and specifications are subject to change without notice.

4 Names of Controls and Their Functions

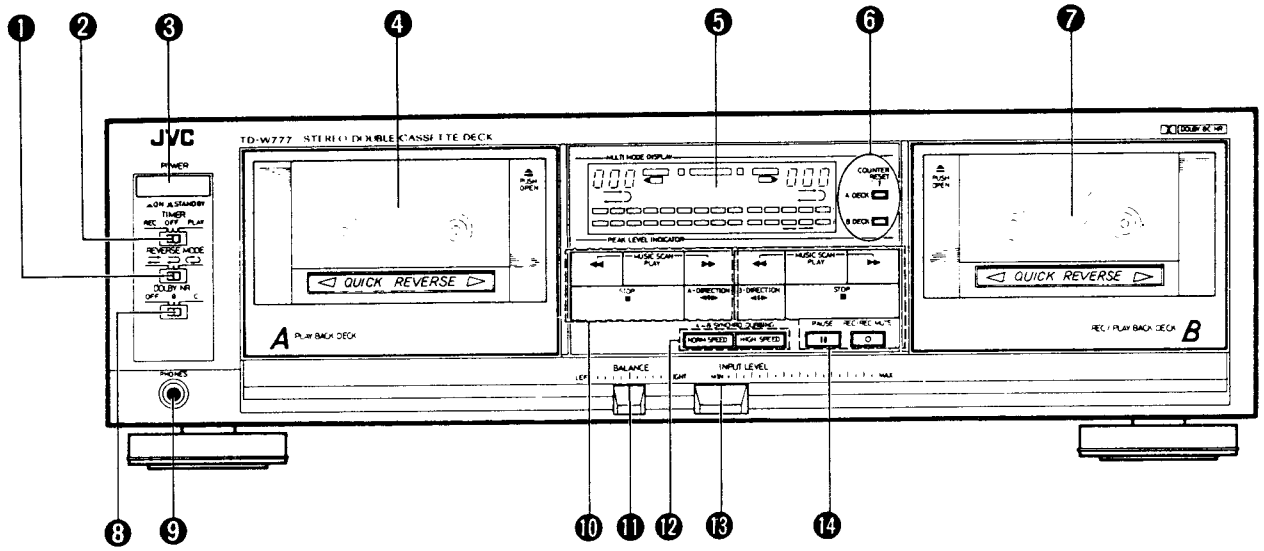
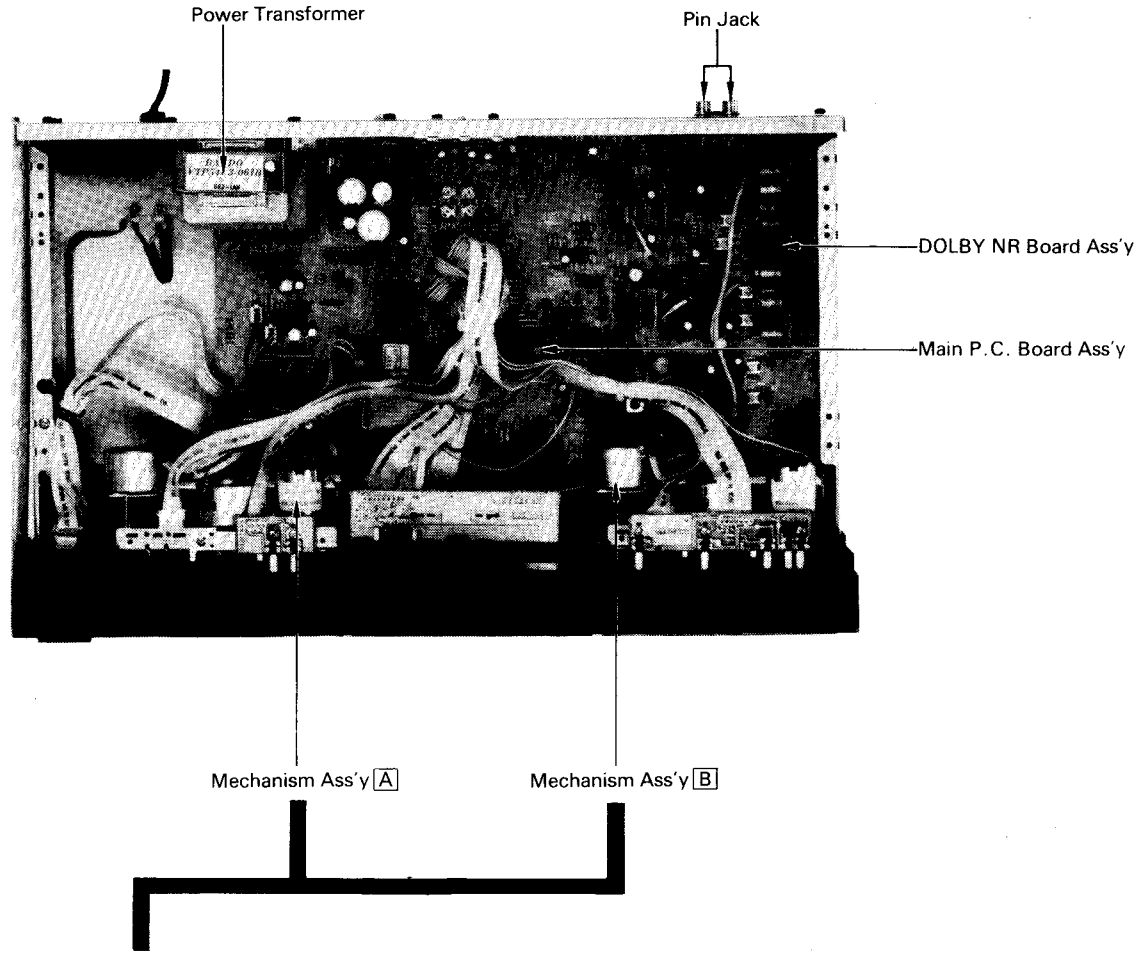


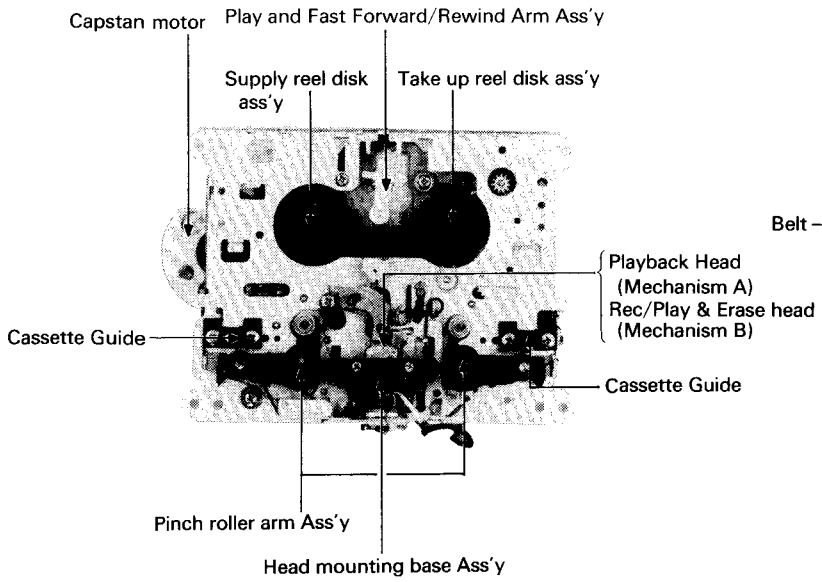
Fig. 4-1

❶ REVERSE MODE switch
❷ TIMER switch
❸ POWER switch
❹ Cassette holder (Deck A)
❺ Multi mode display
❻ COUNTER RESET buttons
❼ Cassette holder (Deck B)
❽ DOLBY NR switch
❾ Headphone jack (PHONES)
❿ Cassette operation buttons (Deck A)
⓫ Input BALANCE control
⓬ SYNCHRO DUBBING buttons
⓭ INPUT LEVEL control
⓮ Cassette operation buttons (Deck B)

5 Location of Main Parts



Front Section



Rear Section

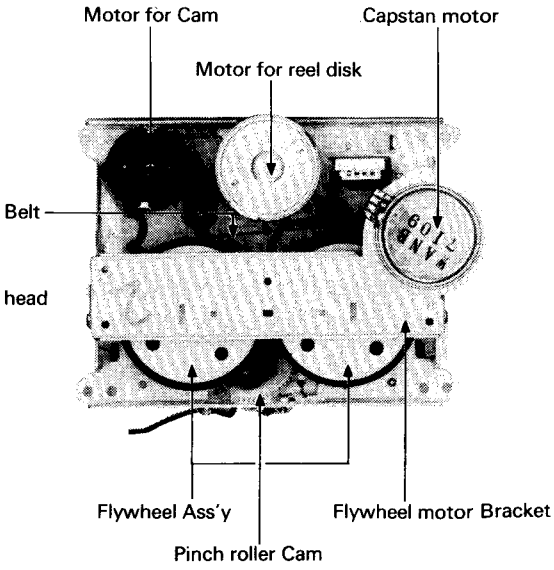


Fig. 5-1

6 Removal of Main Parts

1. Removal of Enclosure parts

(1) Top cover

1) Remove four screws ①, ② retaining the both sides of the top cover.
2) Remove two screws ③ retaining the back side of the top cover.

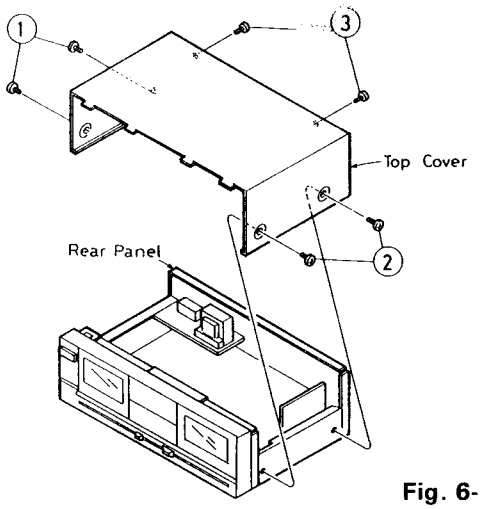


Fig. 6-1

(2) Bottom cover

Remove two screws ④ retaining the bottom cover.

(3) Rear panel

1) Remove two screws ⑩, ⑪ retaining the rear panel and side chassis.
2) Remove a screw ⑫ retaining the synchro terminal.
3) Remove two screws ⑬ retaining the heat sink.
4) Remove a screw ⑭ retaining the pin jack.

(4) Side chassis (L)

1) Remove two screws ⑯ retaining the front panel and side chassis (L).
2) Remove a screw ⑩ retaining the rear panel.

(5) Side chassis (R)

1) Remove two screws ⑰ retaining the front panel.
2) Remove a screw ⑮ retaining the main board ass'y.

(6) Power board ass'y

1) Remove two screws ⑱ retaining the voltage selector.
2) Remove four screws ⑱, ⑳ retaining the power transformer.

(7) Main P.C. board ass'y

Remove a screw ㉑ retaining the mechanism and main P.C. board.

(8) Mechanism ass'y

1) Remove four screws ㉑, ㉒ retaining the mechanism ass'y [A].
2) Remove four screws ㉓, ㉔ retaining the mechanism ass'y [B].

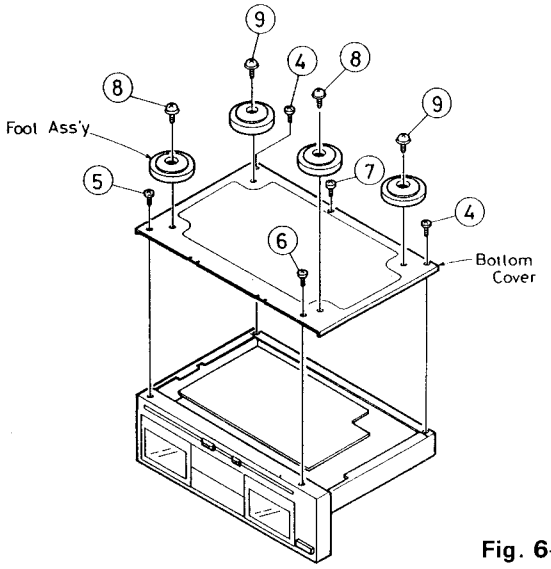


Fig. 6-2

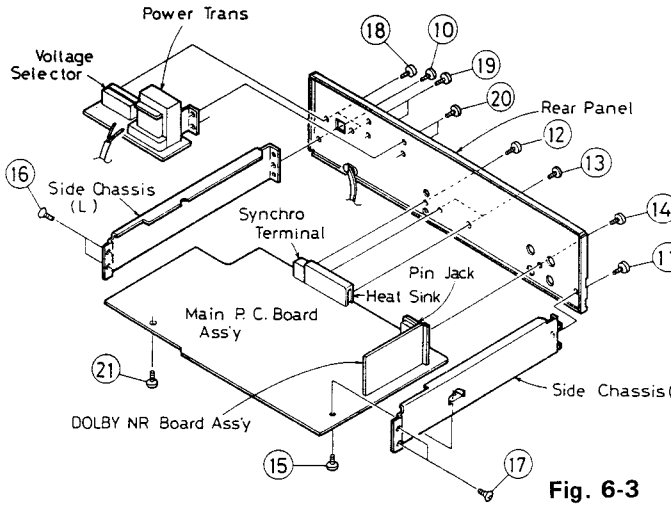


Fig. 6-3

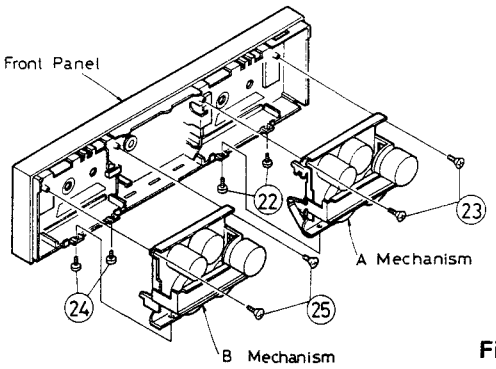


Fig. 6-4

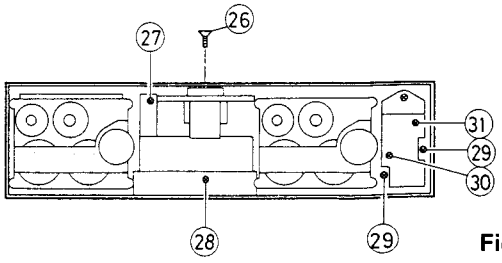


Fig. 6-5

■ Mechanism Section

Mechanism B : Refer to the description about REC/PB mechanism.

- **Head ass'y**
  Remove two screws ① retaining the head ass'y.
  For removing the head only, remove two screws securing it from the head gap side. (To do the work easily, heat the bonded parts beforehand.)

- **Re-assembling**
  1. Set the head lever to be positioned as shown in the figure.
  2. Arrange head wires and apply locking bond.

- **In case of Mechanism A**
  Loosen a screw on the left side of the PB head and remove a screw on the right side.
  For a dummy head, remove a screw securing it.

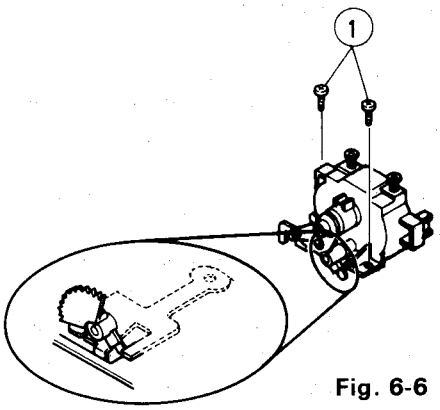


Fig. 6-6

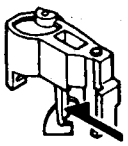


Fig. 6-7

- **Pinch roller ass'y**
  Push a pawl catching the pinch roller ass'y on the chassis in the direction of the arrow mark (see figure) to remove it.

- **Flywheel bracket (FM bracket)**
  Remove two screws ② securing the flywheel bracket from the both sides.

  When the FM bracket is removed, the main belt is disengaged at the same time.
  The capstan motor and flywheel ass'y can be replaced by this procedure.

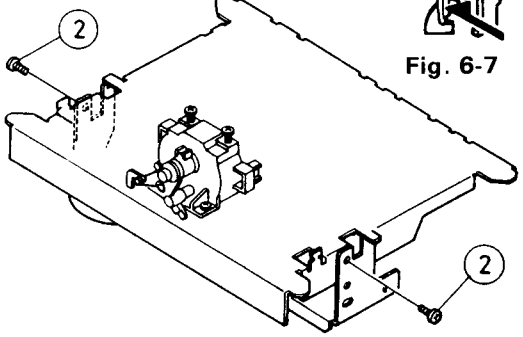


Fig. 6-8

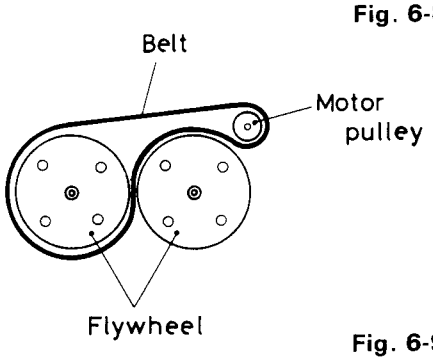


Fig. 6-9

- **Disk base unit**
  Remove three screws ③, ④ and ⑤ securing the disk base unit.

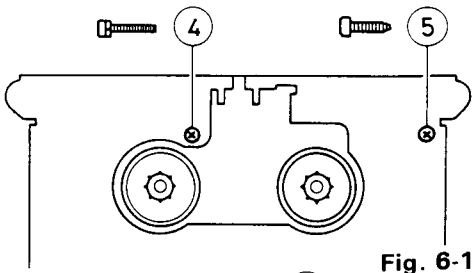


Fig. 6-10

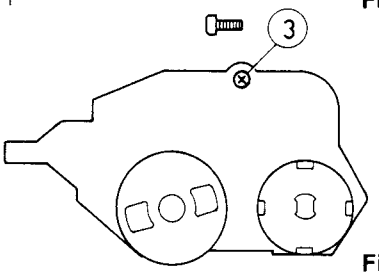


Fig. 6-11

- **Re-assembling of disk base unit**

1. Re-assemble the disk base unit in order of numbers (①–⑤) shown in the figure.
   a) When setting the cam gear ①, make sure of its positioning so that the gear's wide side makes a right angle with the disk while its small side is in parallel with the disk as shown in the figure.
   b) Engage the gears ②, ③ and ④ each other.
   c) When putting back the head base cam 5 , pay careful attention to positioning it so that big and small concaves are paralleled with the disk.
2. Turn the gear 2 ④ in the direction of the arrow mark, and stop turning when the cam gear ① and the head base cam ⑤ are free from each other (slit of the head base cam can be seen on the opposite side).

- **Fixing disk base unit to chassis**

Join together the head base cam and the pinch roller cam so as to catch on each other by the slits.

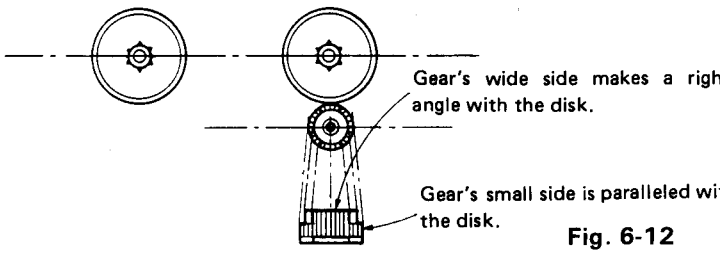


Fig. 6-12

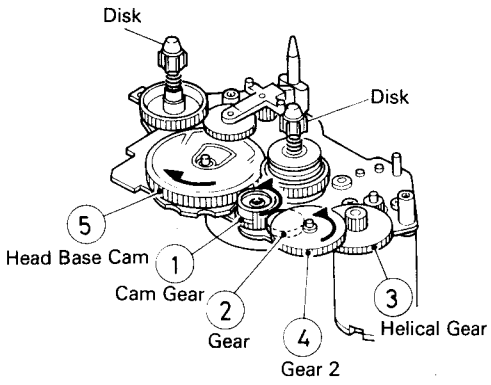


Fig. 6-13

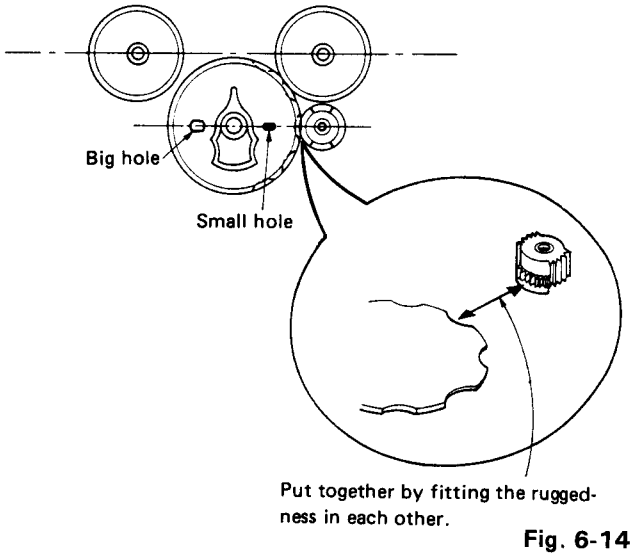


Fig. 6-14

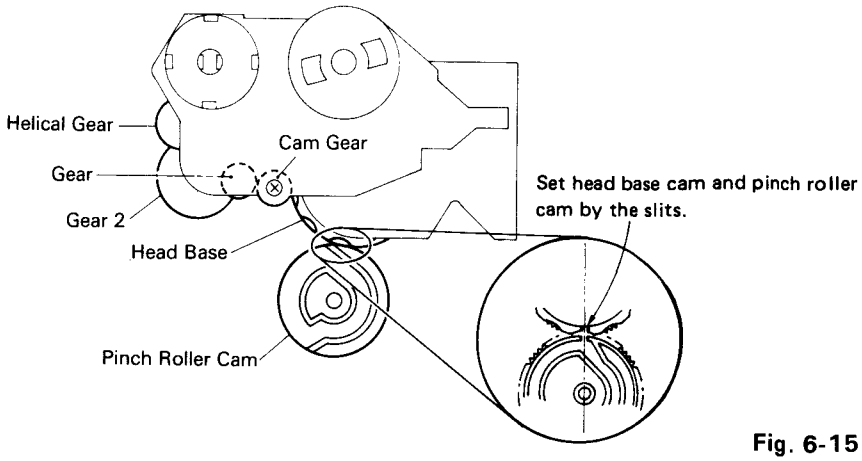


Fig. 6-15

7 Main Adjustments

1. Equipment and measuring instruments used for adjustments

1) Electronic voltmeter
2) Audio frequency oscillator
   (range: 50—20 kHz and output 0 dB with impedance of 600 Ω)
3) Attenuator (impedance: 600 Ω)
4) Standard tape for REC/PB
   Maxell UD1 (TS-9) — Normal (SF) tape
   TDK SA — Chroma (SA) tape — or equivalent
   JVC ME — Metal tape
5) Reference tape for playback (JVC Test Tape)
   VTT712 (for tape speed, wow flutter adj.)
   VTT724 (for playback level)
   VTT739 (for playback frequency response)
   VTT703 (10 kHz) (for head azimuth adj.)
6) Resistor 600 Ω (for attenuator matching)
7) Distortion meter (bandpass filter)
8) Torque testing cassette gauge, CGT-N
9) Wow flutter meter
10) Frequency counter

■ **Power sources**

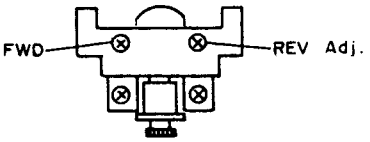
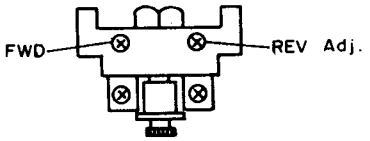
Set the line voltage selector switch to 240 V/230 V/220 V/127 V/120 V/110 V according to your local voltage.

AC 240 V, 50/60 Hz (TD-W777A/B)
AC 220 V, 50/60 Hz (TD-W777E/G)
AC 120 V, 60 Hz (TD-W777C/J)
AC 230 V/127 V/110 V, 50/60 Hz (TD-W777U)

2. Mechanism adjustment procedure

● Notice: 0 dBs = 0.775 (V)

Item	Adjustment	Adjusting point	Standard value	Remarks
Adjusting motor speed	1. Connect a frequency counter to the LINE OUT terminals. 2. Play back the VTT712 test tape. 3. Adjust for deck [A]: Adjust VR701 for normal speed at 3000 Hz, and VR702 for high speed at 6000 Hz. Adjust for deck [B]: Adjust VR703 for normal speed at 3000 Hz, and VR704 for high speed at 6000 Hz.	Deck [A]: Normal; VR702 High; VR701 Deck [B]: Normal; VR704 High; VR703	Normal speed: Deck [A]; 3000 ±15 Hz Deck [B]; 3000 ±15 Hz High speed: Deck [A]; 6000 ±15 Hz Deck [B]; 6000 ±15 Hz	For adjusting high speed, TP bus wire should be grounded. Adjust high speed after perform normal speed.
Checking wow and flutter	Connect a wow and flutter meter to LINE OUT terminals. Play back the VTT712 test tape. Check to see if the reading of the meter is within 0.15% (WRMS).		0.15% (WRMS)	If the reading becomes moving value even if confirming to the standard, a reclaim may be raised. Repairs are necessary.
Checking playback torque	Employ a torque testing cassette tape for the checking, or remove the cassette cover and use a torque gauge.		30—70 gr-cm	If the standard torque is not obtained, replace the take-up disk assembly.
Checking fast forward torque	Measure the torque in the fast forward mode in the same manner as in the above.		70—200 gr-cm	If the standard torque is not obtained, perform the following. 1. Clean the capstan belt, the idler circumference, the motor pulley, the take-up reel disk circumference, the flywheel circumference, etc. 2. Replace the belt and idler.
Checking rewind torque	Measure the torque in the rewind mode in the same manner as in the above.		70—200 gr-cm	If the standard torque is not obtained, clean the capstan belt, idler, motor pulley, flywheel circumference, rewinding idler circumference, left reel disk circumference, etc.

Item	Adjustment	Adjusting point	Standard value	Remarks
Adjusting Head azimuth	1. Connect an electronic voltmeter to the LINE OUT terminals. 2. Playback the VTT703 test tape. 3. Adjust the head angle with the screw (FWD and REV) until the reading of the electronic voltmeter becomes maximum for both channels. Adjust the head angle with the screw Ⓐ until the reading of the electronic voltmeter becomes maximum for both channels.	Screws (FWD, REV) Deck [B] Deck [A]	Maximum	Deck [A]  Deck [B] 

3. Electrical adjustments location

- **Main Amp. P.C. Board (parts assembly side view)**
  (Turning in the direction of the arrow increases the level.)

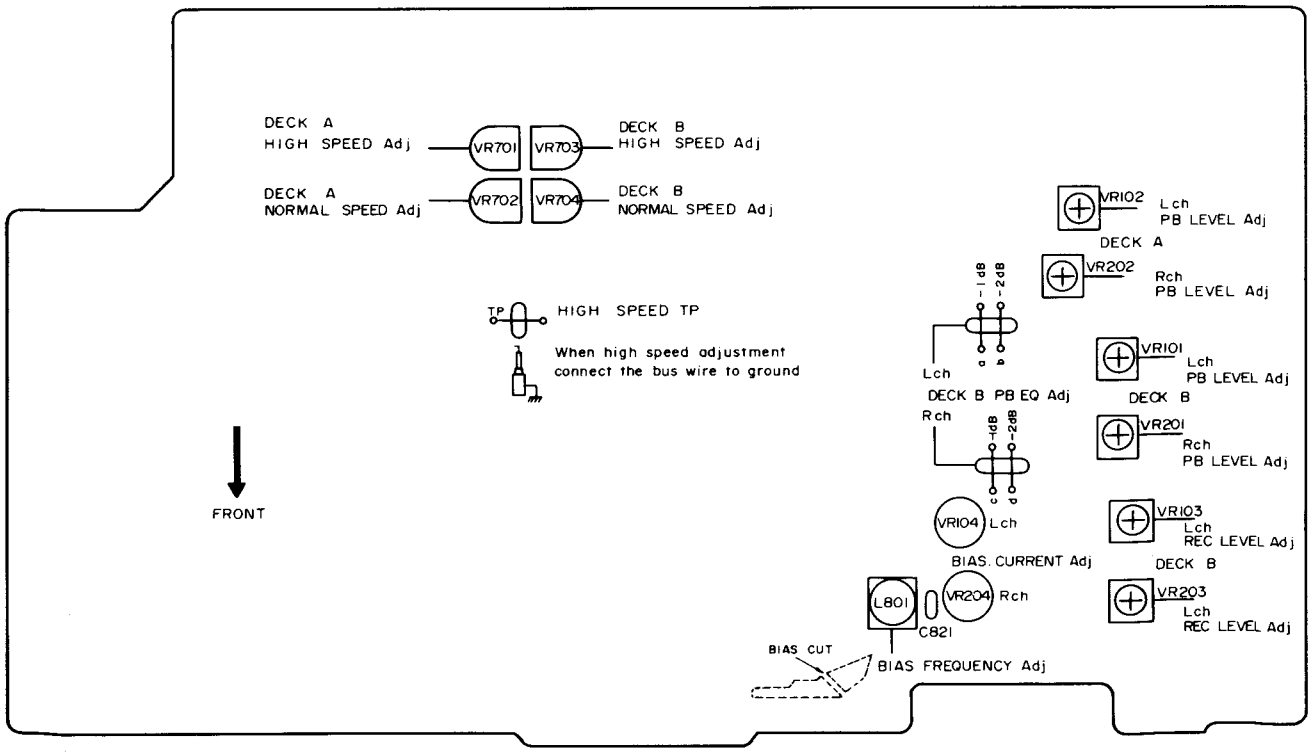


Fig. 7-1

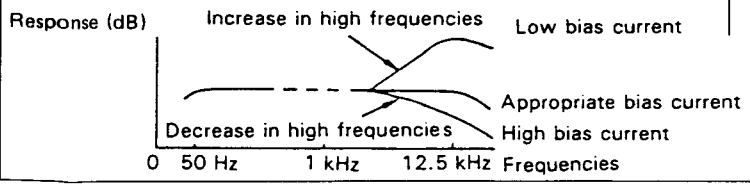
4. Electrical circuit adjustment procedure

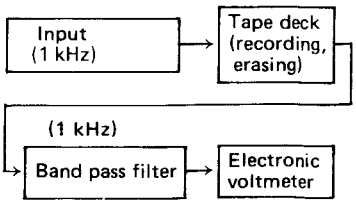
Perform the tape transport checks and head azimuth adjustment before following checks and adjustments.
Adjustment should be performed in the order of alignment steps.
In the steps marked with an asterisk (*), adjustment should be performed after replacing the heads.
Perform this adjustment with the NR switch set to OFF.

Notice : 0 dBs=0.775 V

Step	Item	Check and Adjustment			
				Input signal (Frequency, level)	Output raise value, deviation value
1	Checking DOLBY circuit (Rec mode) (BIAS - CUT)	Signal input: LINE IN Cal. level: 400 Hz, −8 dBs Output terminal: NR. TP ICA01 (21) & (22)	DOLBY B (Rec)	1 kHz, Cal. −40 dB	+5.7 dB ± 2 dB
				5 kHz, Cal. −20 dB	+3.5 dB ± 1.5 dB
				1 kHz, Cal.	0 dB $^{+0.5}_{-1.0}$ dB
			DOLBY C (Rec)	1 kHz, Cal. −40 dB	+16.2 dB $^{+3}_{-2}$ dB
				5 kHz, Cal. −20 dB	+2.9 dB ± 2.5 dB
				1 kHz, Cal.	0 dB ± 1 dB

Step	Item	Adjustment	Adjusting point	Standard value	Remarks
*2	Confirming playback gain	Play back VTT724, then confirm that the level at LINE OUT is −8 dBs ± 0.5 dB. Adjust VR102, VR202 and VR101, VR201 so that LINE OUT level becomes −8 dBm.	Deck [A] L : VR102 R : VR202 Deck [B] L : VR101 R : VR201	−8 dBs ± 0.5 dB	When the head is replaced, adjust playback gain level.
*3	Playback frequency response	Deck A : Play back VTT739, then confirm that the level of 1 kHz and 10 kHz signals is 0 ± 2 dB. (Check only) Deck B : Before adjustment, disconnect a, b (L-ch) and c, d (R-ch) so that the outputs of 1 kHz and 10 kHz signals are flat.	Deck [B] L : a, b R : c, d	Deck [A] : 0.5 ± 1 dB Deck [B] : 0.5 ± 1 dB	Deck [B] L : a cut by −1 dB (C102) b cut by −2 dB (C101) R : c cut by −1 dB (C202) d cut by −2 dB (C201)
*4	Adjusting bias frequency	Connect the frequency counter to the C821 lead through a 1.2 MΩ resistor, then adjust L801 so that the counter reads 95 kHz.	L801	95 kHz ± 3 %	METAL Position
*5	Recording frequency response	1) NR switch: OFF 2) Record a 1 kHz signal at an input reference level of −20 dB, then record 50 Hz and 12.5 kHz signals and play them back. At this time, adjust VR104 and VR204 so that the deviation of 12.5 kHz outputs satisfy the standard values with respect to 1 kHz output.	For Normal tape L : VR104 R : VR204	With respect to 1 kHz reference: At 12.5 kHz, 0.5 ± 0.5 dB	CrO_2 : 12.5 kHz 0 ± 2 dB Metal : 12.5 kHz 0 ± 2 dB



Step	Item	Adjustment	Adjusting point	Standard value	Remarks
*6	Recording gain	1) Apply a 1 kHz signal to the LINE IN terminals, record a 1 kHz signal at -20dBs input for both (L and R) channels on a normal tape. 2) Play back the recorded part, and adjust the recording level controls so that LINE OUT terminal level becomes −8 dBs. Then adjust VR103 and 203 so that LINE OUT terminal level becomes −8 dBs.	For Normal tape: L : VR103 R : VR203	Normal: −8 ± 3 dBs CrO_2 : −8 ± 3 dBs Metal: −8 ± 3 dBs	Perform the adjustment using a normal tape. Level difference between recording and playback for SA/CrO_2 and metal tapes should be less than 2 dB, and that between left and right channels should also be less than 1 dB.
*7	Checking record/ playback distortion	1) Record a 1 kHz, -20dBs signal to LINE IN terminals. 2) Play back the recorded part. Check the output with a distortion meter to see if the value conforms to the standard value.		Normal tape: Less than 2% CrO_2 tape: Less than 3% Metal tape: Less than 2% (THD)	Be sure to perform this checking following bias current and recording level checking.
8	Checking signal to noise ratio in recording/ playback	1) Record a 1 kHz, -20dBs signal. Stop the input by disconnecting from the terminal to perform non-signal recording. 2) Play back the recorded part. Measure the -8dBs recording output and the non-signal recording output for comparison using an electronic voltmeter. Check to see if the value conforms to the standard value.		Normal, CrO_2 & Metal tapes: More than 42 dB	Apply an input level to LINE IN terminals with the recording level controls set to maximum so that the peak level indicator reads 0 dB.
9	Checking erasing coefficient	1) Apply a 1 kHz, -20dBs signal to the LINE IN terminals. 2) Perform recording with the signal enhanced by 20 dB. 3) Erase a part of the recording. 4) Measure the output difference between the erased part and non-erased part to compare with an electronic voltmeter.		More than 65 dB	For the measurement using a metal tape, connect a band pass filter between the deck and the electronic voltmeter. 

8 Wiring Connections

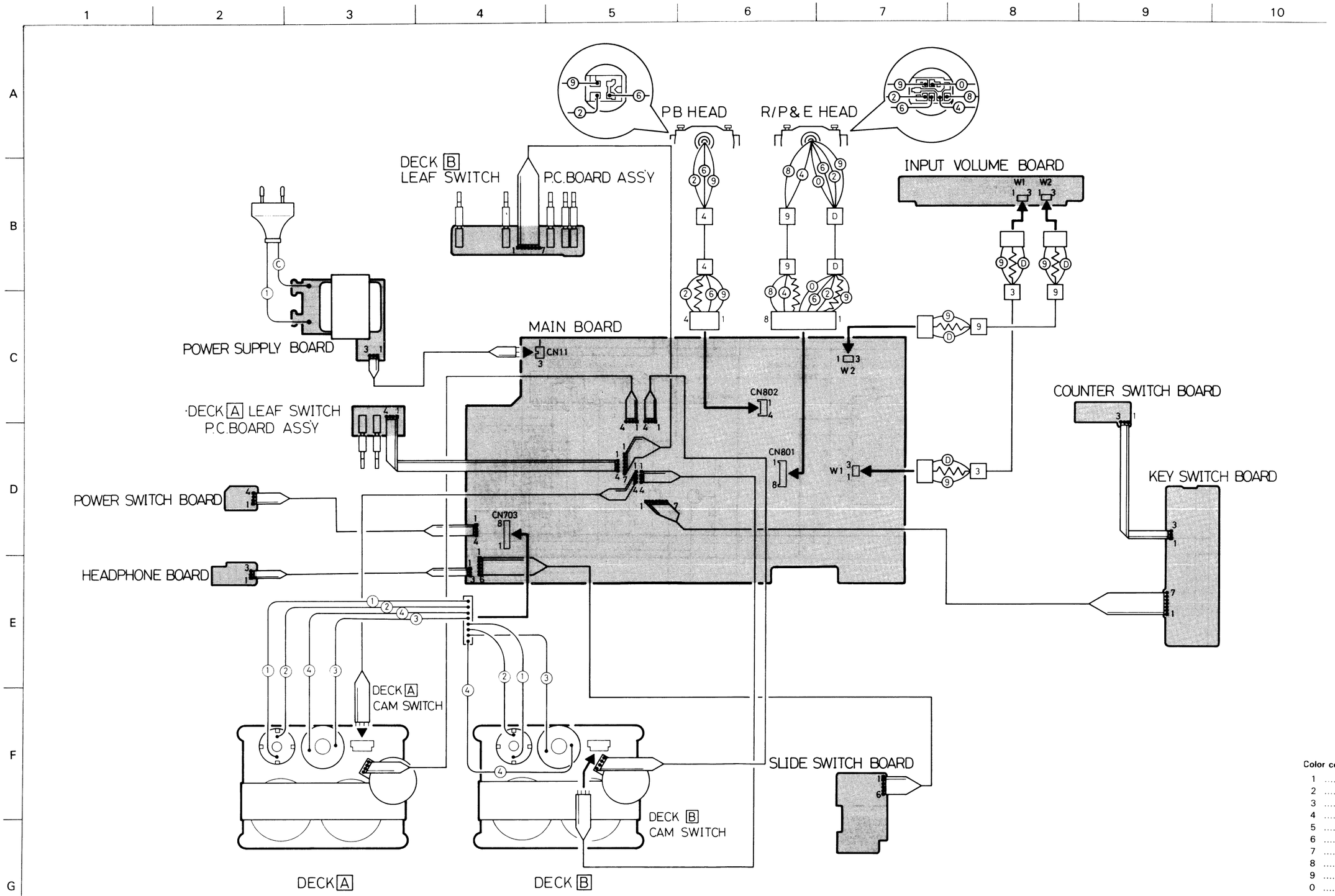
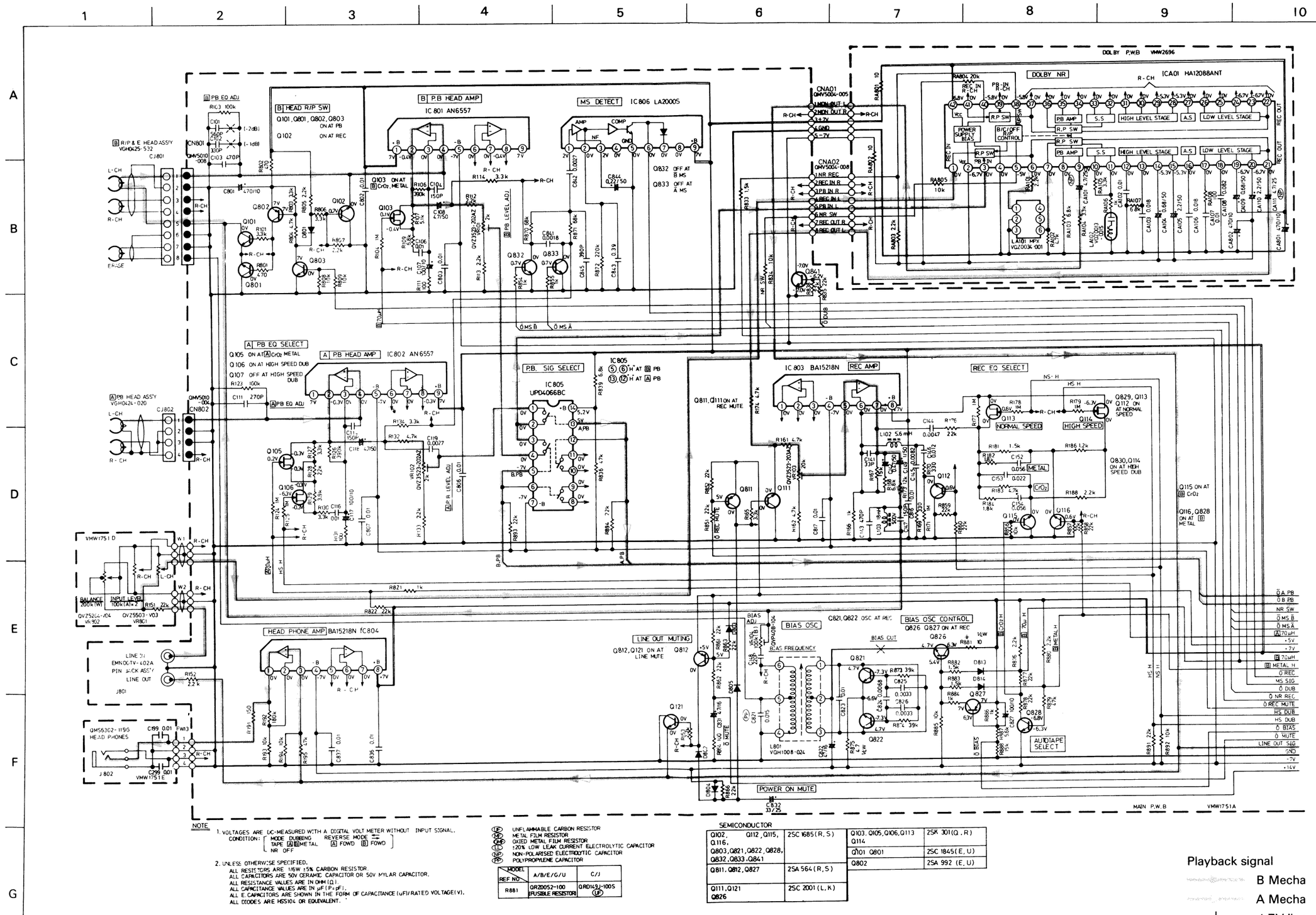


Fig. 8-1

Color codes are shown below.

1	.....	Brown
2	.....	Red
3	.....	Orange
4	.....	Yellow
5	.....	Green
6	.....	Blue
7	.....	Violet
8	.....	Gray
9	.....	White
0	.....	Black
D	.....	Pink
C	.....	Light Blue

9 Standard Schematic Diagrams (1)



NOTE

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION: [MODE DUBBING REVERSE MODE ⇌ / TAPE A B METAL A FOWD B FOWD / NR OFF]
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM (Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V).
   ALL DIODES ARE HSS104 OR EQUIVALENT.

(UF) UNFLAMMABLE CARBON RESISTOR
(MG) METAL FILM RESISTOR
(MO) OXIED METAL FILM RESISTOR
(C) ±20% LOW LEAK CURRENT ELECTROLYTIC CAPACITOR
(NP) NON-POLARISED ELECTROLYTIC CAPACITOR
(PP) POLYPROPYLENE CAPACITOR

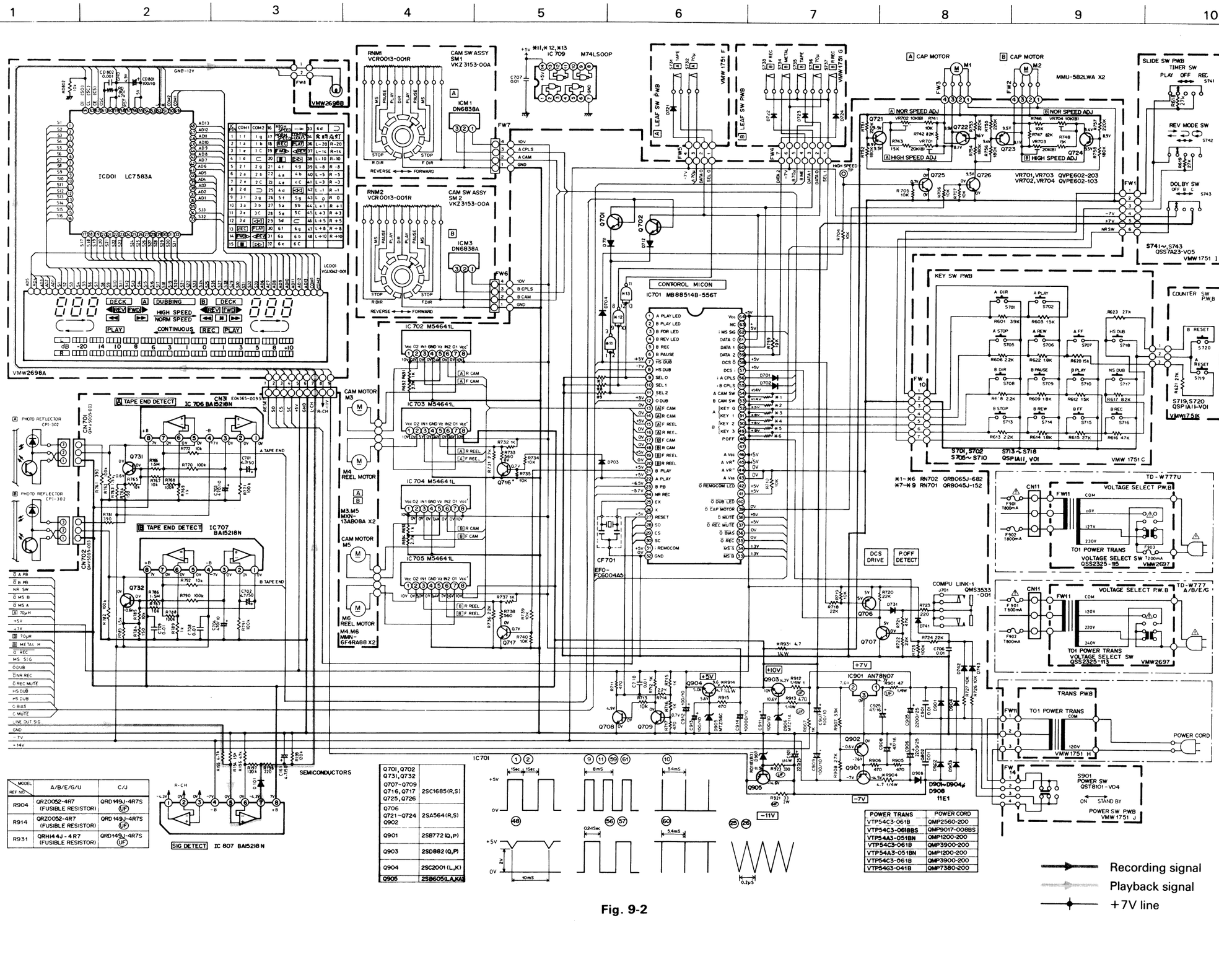
MODEL / REF NO	A/B/E/G/U	C/J
R881	QRZ0052-100 (FUSIBLE RESISTOR) (UF)	QRD149J-100S

SEMICONDUCTOR

Q102, Q112, Q115, Q116, Q803, Q821, Q822, Q828, Q832, Q833, Q841	2SC 1685 (R, S)	Q103, Q105, Q106, Q113, Q114	2SK 301 (Q, R)
Q811, Q812, Q827	2SA 564 (R, S)	Q101 Q801	2SC 1845 (E, U)
Q111, Q121, Q826	2SC 2001 (L, K)	Q802	2SA 992 (E, U)

Fig. 9-1

Standard Schematic Diagrams (2)



MODEL / REF NO	A/B/E/G/U	C/J
R904	QRZ0052-4R7 (FUSIBLE RESISTOR)	QRD149J-4R7S (UF)
R914	QRZ0052-4R7 (FUSIBLE RESISTOR)	QRD149J-4R7S (UF)
R931	QRH144J-4R7 (FUSIBLE RESISTOR)	QRD149J-4R7S (UF)

POWER TRANS	POWER CORD
VTP54C3-061B	QMP2560-200
VTP54C3-061BBS	QMP3017-008BS
VTP54A3-051BN	QMP1200-200
VTP54C3-061B	QMP3900-200
VTP54A3-051BN	QMP1200-200
VTP54C3-061B	QMP3900-200
VTP54G3-041B	QMP7380-200

Fig. 9-2

10 Location of P.C. Board Parts

■ Main P.C. Board

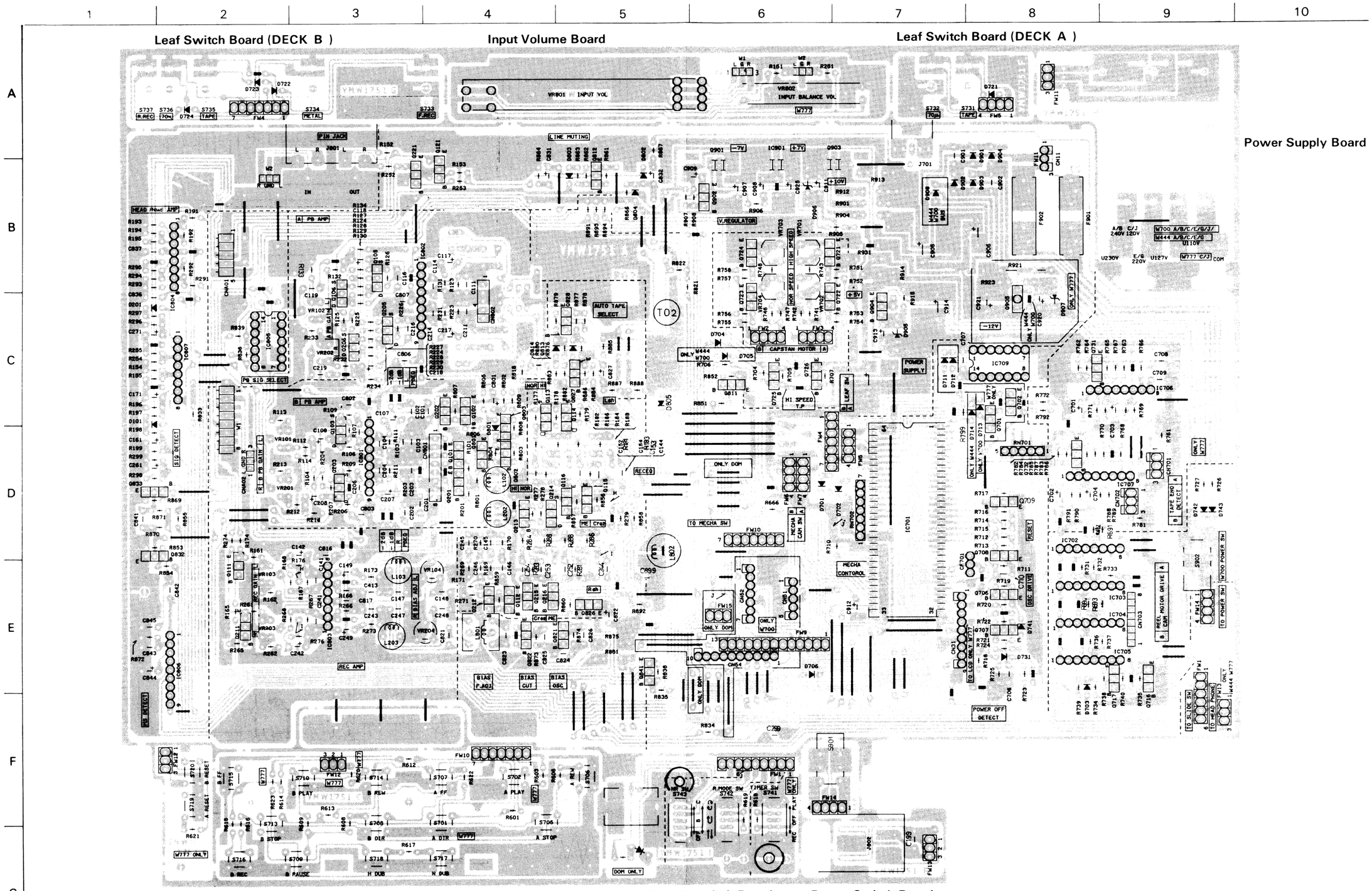


Fig. 10-1

■ Main P.C. Board Parts List

⚠ Parts are safety assurance parts
When replacing those parts, make sure to use the specified one.

⚠	REF. NO	PARTS NO.	PARTS NAME
	CF701	EFO-FC6004A5	CERA LOCK
	CN31	E04365-009S	CONNECTOR
	CN701	QMV5005-003	CONNECTOR
	CN702	QMV5005-003	CONNECTOR
	CN801	QMV5010-008	CONNECTOR
	CN802	QMV5010-004	CONNECTOR
	C101	QCS31HJ-561Z	C.CAPACITOR
	C102	QCS31HJ-331Z	C.CAPACITOR
	C103	QCS31HJ-471Z	C.CAPACITOR
	C104	QCS31HJ-151Z	C.CAPACITOR
	C106	QFV71HJ-103ZM	TF CAPACITOR
	C107	QETC1AM-107ZN	E.CAPACITOR
	C108	QETC1HM-475ZN	E.CAPACITOR
	C111	QCS31HJ-271Z	C.CAPACITOR
	C114	QCS31HJ-151Z	C.CAPACITOR
	C116	QFV71HJ-103ZM	TF CAPACITOR
	C117	QETC1AM-107ZN	E.CAPACITOR
	C118	QETC1HM-475ZN	E.CAPACITOR
	C119	QCY31HK-272Z	C.CAPACITOR
	C141	QCS31HJ-330Z	C.CAPACITOR
	C142	QETC1HM-474ZN	E.CAPACITOR
	C143	QCS31HJ-471Z	C.CAPACITOR
	C144	QCY31HK-472Z	C.CAPACITOR
	C145	QFN31HJ-822Z	M.CAPACITOR
	C146	QFV71HJ-123ZM	TF CAPACITOR
	C147	QCS32HJ-151ZV	C CAPACITOR
	C148	QCS31HJ-221Z	C.CAPACITOR
	C149	QETC1HM-105ZN	E.CAPACITOR
	C152	QCC31EM-563ZV	C.CAPACITOR
	C153	QCC31EM-223ZV	C CAPACITOR
	C154	QCC31EM-563ZV	C.CAPACITOR
	C161	QETC1HM-475ZN	E.CAPACITOR
	C199	QCF11HP-103	C.CAPACITOR
	C201	QCS31HJ-561Z	C.CAPACITOR
	C202	QCS31HJ-331Z	C.CAPACITOR
	C203	QCS31HJ-471Z	C.CAPACITOR
	C204	QCS31HJ-151Z	C.CAPACITOR
	C206	QFV71HJ-103ZM	TF CAPACITOR
	C207	QETC1AM-107ZN	E.CAPACITOR
	C208	QETC1HM-475ZN	E.CAPACITOR
	C211	QCS31HJ-271Z	C.CAPACITOR
	C214	QCS31HJ-151Z	C.CAPACITOR
	C216	QFV71HJ-103ZM	TF CAPACITOR
	C217	QETC1AM-107ZN	E.CAPACITOR
	C218	QETC1HM-475ZN	E.CAPACITOR
	C219	QCY31HK-272Z	C.CAPACITOR
	C241	QCS31HJ-330Z	C.CAPACITOR
	C242	QETC1HM-474ZN	E.CAPACITOR
	C243	QCS31HJ-471Z	C.CAPACITOR
	C244	QCY31HK-472Z	C.CAPACITOR
	C245	QFN31HJ-822Z	M.CAPACITOR
	C246	QFV71HJ-123ZM	TF CAPACITOR
	C247	QCS32HJ-151ZV	C CAPACITOR
	C248	QCS31HJ-221Z	C.CAPACITOR
	C249	QETC1HM-105ZN	E.CAPACITOR
	C252	QCC31EM-563ZV	C.CAPACITOR
	C253	QCC31EM-223ZV	C CAPACITOR
	C254	QCC31EM-563ZV	C.CAPACITOR
	C261	QETC1HM-475ZN	E.CAPACITOR
	C299	QCF11HP-103	C.CAPACITOR
	C701	QETC1HM-475ZN	E.CAPACITOR
	C702	QETC1HM-475ZN	E.CAPACITOR
	C703	QETC1AM-477ZN	E.CAPACITOR
	C704	QETC1AM-477ZN	E.CAPACITOR
	C706	QCF31HP-103Z	C.CAPACITOR
	C707	QCF31HP-103Z	C.CAPACITOR
	C708	QCF31HP-103Z	C.CAPACITOR
	C709	QCF31HP-103Z	C.CAPACITOR
	C710	QCF11HP-103	C.CAPACITOR
	C711	QCF11HP-103	C.CAPACITOR

⚠	REF. NO	PARTS NO.	PARTS NAME
	C801	QETC1AM-477ZN	E.CAPACITOR
	C802	QCF31HP-103Z	C.CAPACITOR
	C803	QCF31HP-103Z	C.CAPACITOR
	C806	QCF31HP-103Z	C.CAPACITOR
	C807	QCF31HP-103Z	C.CAPACITOR
	C816	QCF31HP-103Z	C.CAPACITOR
	C817	QCF31HP-103Z	C.CAPACITOR
	C821	QFP82AJ-153	P.P.CAPACITOR
	C822	QETC1CM-476ZN	E CAPACITOR
	C823	QFV71HJ-103ZM	TF CAPACITOR
	C824	QFN31HJ-682Z	M.CAPACITOR
	C825	QFN31HJ-332Z	M.CAPACITOR
	C826	QFN31HJ-332Z	M.CAPACITOR
	C827	QETC1AM-107ZN	E.CAPACITOR
	C831	QETC1CM-476ZN	E CAPACITOR
	C832	QETC1EM-336ZN	E CAPACITOR
	C836	QCF31HP-103Z	C.CAPACITOR
	C837	QCF31HP-103Z	C.CAPACITOR
	C841	QCY31HK-182Z	C.CAPACITOR
	C842	QCY31HK-272Z	C.CAPACITOR
	C843	QFV71HJ-394ZM	TF.CAPACITOR
	C844	QETC1HM-224ZN	E.CAPACITOR
	C845	QCS31HJ-391Z	C.CAPACITOR
	C899	QETC1CM-107ZN	E.CAPACITOR
	C901	QCF31HP-103Z	C.CAPACITOR
	C902	QCF31HP-103Z	C.CAPACITOR
	C905	QETB1EM-228N	E CAPACITOR
	C906	QETB1EM-228N	E CAPACITOR
	C907	QETC1AM-107ZN	E.CAPACITOR
	C908	QETC1CM-476ZN	E CAPACITOR
	C909	QETC1AM-107ZN	E.CAPACITOR
	C911	QETC1CM-107ZN	E.CAPACITOR
	C912	QETC1AM-107ZN	E.CAPACITOR
	C913	QETC1AM-107ZN	E.CAPACITOR
	C914	QETB1AM-109N	E.CAPACITOR
	C921	QETC1EM-227ZN	E CAPACITOR
	C925	QETC1EM-476ZN	E.CAPACITOR
	D101	HSS104TJ	SI DIODE
	D201	HSS104TJ	SI DIODE
	D701	HSS104TJ	SI DIODE
	D702	HSS104TJ	SI DIODE
	D703	HSS104TJ	SI DIODE
	D704	HSS104TJ	SI DIODE
	D711	HSS104TJ	SI DIODE
	D712	HSS104TJ	SI DIODE
	D721	HSS104TJ	SI DIODE
	D722	HSS104TJ	SI DIODE
	D723	HSS104TJ	SI DIODE
	D724	HSS104TJ	SI DIODE
	D731	HSS104TJ	SI DIODE
	D741	HSS104TJ	SI DIODE
	D742	HSS104TJ	SI DIODE
	D743	HSS104TJ	SI DIODE
	D801	HSS104TJ	SI DIODE
	D802	HSS104TJ	SI DIODE
	D803	HSS104TJ	SI DIODE
	D804	HSS104TJ	SI DIODE
	D805	MA165	SI DIODE
	D813	HSS104TJ	SI DIODE
	D814	HSS104TJ	SI DIODE
⚠	D901	11E1-TB2	SI DIODE
⚠	D902	11E1-TB2	SI DIODE
⚠	D903	11E1-TB2	SI DIODE
⚠	D904	11E1-TB2	SI DIODE
	D905	MTZ5.6CT-77	Z.DIODE
	D906	MTZ11AT-77	Z DIODE
	D907	RD11E(B3)	Z DIODE
	D908	11E1-TB2	SI DIODE
	IC701	MB88514B-581T	IC
	IC702	M54641L	IC

⚠	REF. NO	PARTS NO.	PARTS NAME
	IC703	M54641L	IC
	IC704	M54641L	IC
	IC705	M54641L	IC
	IC706	BA15218N	IC
	IC707	BA15218N	IC
	IC709	M74LS00P	I.C.
	IC801	AN6557	I C
	IC802	AN6557	I C
	IC803	BA15218N	IC
	IC804	BA15218N	IC
	R104	QRD161J-105Y	CARBON RESISTOR
	R106	QRD161J-394Y	CARBON RESISTOR
	R107	QRD161J-512Y	CARBON RESISTOR
	R109	QRD161J-682Y	CARBON RESISTOR
	R111	QRD161J-101Y	CARBON RESISTOR
	R112	QRD161J-222Y	CARBON RESISTOR
	R113	QRD161J-222Y	CARBON RESISTOR
	R114	QRD161J-332Y	CARBON RESISTOR
	R123	QRD161J-104Y	CARBON RESISTOR
	R124	QRD161J-105Y	CARBON RESISTOR
	R125	QRD161J-105Y	CARBON RESISTOR
	R126	QRD161J-394Y	CARBON RESISTOR
	R127	QRD161J-332Y	CARBON RESISTOR
	R128	QRD161J-222Y	CARBON RESISTOR
	R129	QRD161J-392Y	CARBON RESISTOR
	R130	QRD161J-332Y	CARBON RESISTOR
	R131	QRD161J-101Y	CARBON RESISTOR
	R132	QRD161J-472Y	CARBON RESISTOR
	R133	QRD161J-222Y	CARBON RESISTOR
	R134	QRD161J-332Y	CARBON RESISTOR
	R151	QRD161J-223Y	CARBON RESISTOR
	R152	QRD161J-222Y	CARBON RESISTOR
	R153	QRD161J-222Y	CARBON RESISTOR
	R154	QRD161J-153Y	CARBON RESISTOR
	R155	QRD161J-472Y	CARBON RESISTOR
	R161	QRD161J-472Y	CARBON RESISTOR
	R162	QRD161J-472Y	CARBON RESISTOR
	R165	QRD161J-332Y	CARBON RESISTOR
	R166	QRD161J-102Y	CARBON RESISTOR
	R167	QRD161J-153Y	CARBON RESISTOR
	R168	QRD161J-682Y	CARBON RESISTOR
	R169	QRD161J-331Y	CARBON RESISTOE
	R170	QRD161J-331Y	CARBON RESISTOE
	R171	QRD161J-105Y	CARBON RESISTOR
	R173	QRD161J-123Y	CARBON RESISTOR
	R174	QRD161J-472Y	CARBON RESISTOR
	R176	QRD161J-223Y	CARBON RESISTOR
	R177	QRD161J-105Y	CARBON RESISTOR
	R178	QRD161J-105Y	CARBON RESISTOR
	R179	QRD161J-105Y	CARBON RESISTOR
	R181	QRD161J-152Y	CARBON RESISTOR
	R182	QRD161J-182Y	CARBON RESISTOR
	R183	QRD161J-472Y	CARBON RESISTOR
	R184	QRD161J-182Y	CARBON RESISTOR
	R186	QRD161J-122Y	CARBON RESISTOR
	R188	QRD161J-222Y	CARBON RESISTOR
	R191	QRD161J-151Y	CARBON RESISTOR
	R192	QRD161J-184Y	CARBON RESISTOR
	R193	QRD161J-103Y	CARBON RESISTOR
	R194	QRD161J-103Y	CARBON RESISTOR
	R195	QRD161J-473Y	CARBON RESISTOR
	R196	QRD161J-473Y	CARBON RESISTOR
	R197	QRD161J-124Y	CARBON RESISTOR
	R198	QRD161J-221Y	CARBON RESISTOR
	R199	QRD161J-124Y	CARBON RESISTOR
	R201	QRD161J-332Y	CARBON RESISTOR
	R203	QRD161J-104Y	CARBON RESISTOR
	R204	QRD161J-105Y	CARBON RESISTOR
	R206	QRD161J-394Y	CARBON RESISTOR
	R207	QRD161J-512Y	CARBON RESISTOR

⚠	REF. NO	PARTS NO.	PARTS NAME
	R209	QRD161J-682Y	CARBON RESISTOR
	R211	QRD161J-101Y	CARBON RESISTOR
	R212	QRD161J-222Y	CARBON RESISTOR
	R213	QRD161J-222Y	CARBON RESISTOR
	R214	QRD161J-332Y	CARBON RESISTOR
	R223	QRD161J-104Y	CARBON RESISTOR
	R224	QRD161J-105Y	CARBON RESISTOR
	R225	QRD161J-105Y	CARBON RESISTOR
	R226	QRD161J-394Y	CARBON RESISTOR
	R227	QRD161J-332Y	CARBON RESISTOR
	R228	QRD161J-222Y	CARBON RESISTOR
	R229	QRD161J-392Y	CARBON RESISTOR
	R230	QRD161J-332Y	CARBON RESISTOR
	R231	QRD161J-101Y	CARBON RESISTOR
	R232	QRD161J-472Y	CARBON RESISTOR
	IC805	UPD4066BC	I.C
	IC806	LA2000S	I C
	IC807	BA15218N	IC
	IC901	AN78N07	I.C
	J701	QMS3533-001	JACK
	J801	EMN00TV-402A	PIN JACK
	J802	QMS6302-119G	JACK
	L102	VQP0001-562S	INDUCTOR
	L103	VQP0001-183S	INDUCTOR
	L202	VQP0001-562S	INDUCTOR
	L203	VQP0001-183S	INDUCTOR
	L801	VQH1008-024	OSC COIL(BIAS)
	L802	VQP0001-102S	INDUCTOR
	Q101	2SC1845(E,U)-T	TRANSISTOR
	Q102	2SC1685(R,S)TA	TRANSISTOR
	Q103	2SK301(Q,R)TA	FET I.M
	Q105	2SK301(Q,R)TA	FET I.M
	Q106	2SK301(Q,R)TA	FET I.M
	Q111	2SC2001(L,K)-T	TRANSISTOR
	Q112	2SC1685(R,S)TA	TRANSISTOR
	Q113	2SK301(Q,R)TA	FET I.M
	Q114	2SK301(Q,R)TA	FET I.M
	Q115	2SC1685(R,S)TA	TRANSISTOR
	Q116	2SC1685(R,S)TA	TRANSISTOR
	Q121	2SC2001(L,K)-T	TRANSISTOR
	Q201	2SC1845(E,U)-T	TRANSISTOR
	Q202	2SC1685(R,S)TA	TRANSISTOR
	Q203	2SK301(Q,R)TA	FET I.M
	Q205	2SK301(Q,R)TA	FET I.M
	Q206	2SK301(Q,R)TA	FET I.M
	Q211	2SC2001(L,K)-T	TRANSISTOR
	Q212	2SC1685(R,S)TA	TRANSISTOR
	Q213	2SK301(Q,R)TA	FET I.M
	Q214	2SK301(Q,R)TA	FET I.M
	Q215	2SC1685(R,S)TA	TRANSISTOR
	Q216	2SC1685(R,S)TA	TRANSISTOR
	Q221	2SC2001(L,K)-T	TRANSISTOR
	Q701	2SC1685(R,S)TA	TRANSISTOR
	Q702	2SC1685(R,S)TA	TRANSISTOR
	Q706	2SA564(R,S)TA	TRANSISTOR
	Q707	2SC1685(R,S)TA	TRANSISTOR
	Q708	2SC1685(R,S)TA	TRANSISTOR
	Q709	2SC1685(R,S)TA	TRANSISTOR
	Q716	2SC1685(R,S)TA	TRANSISTOR
	Q717	2SC1685(R,S)TA	TRANSISTOR
	Q721	2SA564(R,S)TA	TRANSISTOR
	Q722	2SA564(R,S)TA	TRANSISTOR
	Q723	2SA564(R,S)TA	TRANSISTOR
	Q724	2SA564(R,S)TA	TRANSISTOR
	Q725	2SC1685(R,S)TA	TRANSISTOR
	Q726	2SC1685(R,S)TA	TRANSISTOR
	Q731	2SC1685(R,S)TA	TRANSISTOR
	Q732	2SC1685(R,S)TA	TRANSISTOR
	Q801	2SC1845(E,U)-T	TRANSISTOR
	Q802	2SA992(E,U)-T	TRANSISTOR

⚠ Parts are safety assurance parts
When replacing those parts, make sure to use the specified one.

⚠	REF. NO	PARTS NO.	PARTS NAME
	Q803	2SC1685(R,S)TA	TRANSISTOR
	Q811	2SA564(R,S)TA	TRANSISTOR
	Q812	2SA564(R,S)TA	TRANSISTOR
	Q821	2SC1685(R,S)TA	TRANSISTOR
	Q822	2SC1685(R,S)TA	TRANSISTOR
	Q826	2SC2001(L,K)-T	TRANSISTOR
	Q827	2SA564(R,S)TA	TRANSISTOR
	Q828	2SC1685(R,S)TA	TRANSISTOR
	Q832	2SC1685(R,S)TA	TRANSISTOR
	Q833	2SC1685(R,S)TA	TRANSISTOR
	Q841	2SC1685(R,S)TA	TRANSISTOR
⚠	Q901	2SB772(Q,P)	TRANSISTOR
⚠	Q902	2SA564(R,S)TA	TRANSISTOR
⚠	Q903	2SD882(Q,P)	TRANSISTOR
	Q904	2SC2001(L,K)-T	TRANSISTOR
	Q905	2SB605(LA,KA)	TRANSISTOR
	RN701	QRB045J-152	R NETWORK
	RN702	QRB065J-682	R NETWORK
	R101	QRD161J-332Y	CARBON RESISTOR
	R103	QRD161J-104Y	CARBON RESISTOR
	R233	QRD161J-222Y	CARBON RESISTOR
	R234	QRD161J-332Y	CARBON RESISTOR
	R251	QRD161J-223Y	CARBON RESISTOR
	R252	QRD161J-222Y	CARBON RESISTOR
	R253	QRD161J-222Y	CARBON RESISTOR
	R254	QRD161J-153Y	CARBON RESISTOR
	R255	QRD161J-472Y	CARBON RESISTOR
	R261	QRD161J-472Y	CARBON RESISTOR
	R262	QRD161J-472Y	CARBON RESISTOR
	R265	QRD161J-332Y	CARBON RESISTOR
	R266	QRD161J-102Y	CARBON RESISTOR
	R267	QRD161J-153Y	CARBON RESISTOR
	R268	QRD161J-682Y	CARBON RESISTOR
	R269	QRD161J-331Y	CARBON RESISTOE
	R270	QRD161J-331Y	CARBON RESISTOE
	R271	QRD161J-105Y	CARBON RESISTOR
	R273	QRD161J-123Y	CARBON RESISTOR
	R274	QRD161J-472Y	CARBON RESISTOR
	R276	QRD161J-223Y	CARBON RESISTOR
	R277	QRD161J-105Y	CARBON RESISTOR
	R278	QRD161J-105Y	CARBON RESISTOR
	R279	QRD161J-105Y	CARBON RESISTOR
	R281	QRD161J-152Y	CARBON RESISTOR
	R282	QRD161J-182Y	CARBON RESISTOR
	R283	QRD161J-472Y	CARBON RESISTOR
	R284	QRD161J-182Y	CARBON RESISTOR
	R286	QRD161J-122Y	CARBON RESISTOR
	R288	QRD161J-222Y	CARBON RESISTOR
	R291	QRD161J-151Y	CARBON RESISTOR
	R292	QRD161J-184Y	CARBON RESISTOR
	R293	QRD161J-103Y	CARBON RESISTOR
	R294	QRD161J-103Y	CARBON RESISTOR
	R295	QRD161J-473Y	CARBON RESISTOR
	R296	QRD161J-473Y	CARBON RESISTOR
	R297	QRD161J-124Y	CARBON RESISTOR
	R298	QRD161J-221Y	CARBON RESISTOR
	R299	QRD161J-124Y	CARBON RESISTOR
	R601	QRD161J-392Y	CARBON RESISTOR
	R603	QRD161J-153Y	CARBON RESISTOR
	R606	QRD161J-222Y	CARBON RESISTOR
	R608	QRD161J-222Y	CARBON RESISTOR
	R609	QRD161J-182Y	CARBON RESISTOR
	R612	QRD161J-153Y	CARBON RESISTOR
	R613	QRD161J-222Y	CARBON RESISTOR
	R614	QRD161J-182Y	CARBON RESISTOR
	R615	QRD161J-272Y	CARBON RESISTOR
	R616	QRD161J-472Y	CARBON RESISTOR
	R617	QRD161J-822Y	CARBON RESISTOR
	R618	QRD161J-273Y	CARBON RESISTOR
	R619	QRD161J-273Y	CARBON RESISTOR

⚠	REF. NO	PARTS NO.	PARTS NAME
	R620	QRD161J-153Y	CARBON RESISTOR
	R621	QRD161J-273Y	CARBON RESISTOR
	R622	QRD161J-182Y	CARBON RESISTOR
	R623	QRD161J-273Y	CARBON RESISTOR
	R691	QRD161J-102Y	CARBON RESISTOR
	R692	QRD161J-272Y	CARBON RESISTOR
	R693	QRD161J-102Y	CARBON RESISTOR
	R694	QRD161J-272Y	CARBON RESISTOR
	R704	QRD161J-103Y	CARBON RESISTOR
	R705	QRD161J-103Y	CARBON RESISTOR
	R706	QRD161J-103Y	CARBON RESISTOR
	R707	QRD161J-103Y	CARBON RESISTOR
	R710	QRD161J-103Y	CARBON RESISTOR
	R711	QRD161J-471Y	CARBON RESISTOR
	R712	QRD161J-102Y	CARBON RESISTOR
	R713	QRD161J-103Y	CARBON RESISTOR
	R714	QRD161J-222Y	CARBON RESISTOR
	R715	QRD161J-102Y	CARBON RESISTOR
	R716	QRD161J-102Y	CARBON RESISTOR
	R717	QRD161J-471Y	CARBON RESISTOR
	R718	QRD161J-223Y	CARBON RESISTOR
	R719	QRD161J-103Y	CARBON RESISTOR
	R720	QRD161J-223Y	CARBON RESISTOR
	R721	QRD161J-473Y	CARBON RESISTOR
	R722	QRD161J-223Y	CARBON RESISTOR
	R723	QRD161J-221Y	CARBON RESISTOR
	R724	QRD161J-223Y	CARBON RESISTOR
	R725	QRD161J-104Y	CARBON RESISTOR
	R726	QRD161J-103Y	CARBON RESISTOR
	R727	QRD161J-103Y	CARBON RESISTOR
	R731	QRD161J-222Y	CARBON RESISTOR
	R732	QRD161J-102Y	CARBON RESISTOR
	R733	QRD161J-561Y	CARBON RESISTOR
	R734	QRD161J-103Y	CARBON RESISTOR
	R735	QRD161J-103Y	CARBON RESISTOR
	R736	QRD161J-222Y	CARBON RESISTOR
	R737	QRD161J-102Y	CARBON RESISTOR
	R738	QRD161J-561Y	CARBON RESISTOR
	R739	QRD161J-103Y	CARBON RESISTOR
	R740	QRD161J-103Y	CARBON RESISTOR
	R741	QRD161J-103Y	CARBON RESISTOR
	R742	QRD161J-823Y	CARBON RESISTOR
	R743	QRD161J-123Y	CARBON RESISTOR
	R746	QRD161J-103Y	CARBON RESISTOR
	R747	QRD161J-823Y	CARBON RESISTOR
	R748	QRD161J-123Y	CARBON RESISTOR
	R751	QRD161J-224Y	CARBON RESISTOR
	R752	QRD161J-184Y	CARBON RESISTOR
	R753	QRD161J-224Y	CARBON RESISTOR
	R754	QRD161J-184Y	CARBON RESISTOR
	R755	QRD161J-224Y	CARBON RESISTOR
	R756	QRD161J-184Y	CARBON RESISTOR
	R757	QRD161J-224Y	CARBON RESISTOR
	R758	QRD161J-184Y	CARBON RESISTOR
	R761	QRD161J-391Y	CARBON RESISTOR
	R762	QRD161J-104Y	CARBON RESISTOR
	R763	QRD161J-152Y	CARBON RESISTOR
	R764	QRD161J-151Y	CARBON RESISTOR
	R765	QRD161J-103Y	CARBON RESISTOR
	R766	QRD161J-155Y	CARBON RESISTOR
	R767	QRD161J-103Y	CARBON RESISTOR
	R768	QRD161J-104Y	CARBON RESISTOR
	R769	QRD161J-102Y	CARBON RESISTOR
	R770	QRD161J-104Y	CARBON RESISTOR
	R771	QRD161J-104Y	CARBON RESISTOR
	R772	QRD161J-103Y	CARBON RESISTOR
	R781	QRD161J-391Y	CARBON RESISTOR
	R782	QRD161J-104Y	CARBON RESISTOR
	R783	QRD161J-152Y	CARBON RESISTOR
	R784	QRD161J-151Y	CARBON RESISTOR

⚠	REF. NO	PARTS NO.	PARTS NAME
	R785	QRD161J-103Y	CARBON RESISTOR
	R786	QRD161J-155Y	CARBON RESISTOR
	R787	QRD161J-103Y	CARBON RESISTOR
	R788	QRD161J-104Y	CARBON RESISTOR
	R789	QRD161J-102Y	CARBON RESISTOR
	R790	QRD161J-104Y	CARBON RESISTOR
	R791	QRD161J-104Y	CARBON RESISTOR
	R792	QRD161J-103Y	CARBON RESISTOR
	R799	QRD161J-103	CARBON RESISTOR
	R801	QRD161J-471Y	CARBON RESISTOR
	R802	QRD161J-471Y	CARBON RESISTOR
	R803	QRD161J-332Y	CARBON RESISTOR
	R804	QRD161J-472Y	CARBON RESISTOR
	R805	QRD161J-222Y	CARBON RESISTOR
	R806	QRD161J-332Y	CARBON RESISTOR
	R807	QRD161J-222Y	CARBON RESISTOR
	R808	QRD161J-103Y	CARBON RESISTOR
	R809	QRD161J-103Y	CARBON RESISTOR
	R821	QRD161J-102Y	CARBON RESISTOR
	R822	QRD161J-223Y	CARBON RESISTOR
	R833	QRD161J-152Y	CARBON RESISTOR
	R834	QRD161J-103Y	CARBON RESISTOR
	R835	QRD161J-223Y	CARBON RESISTOR
	R836	QRD161J-473Y	CARBON RESISTOR
	R838	QRD161J-223Y	CARBON RESISTOR
	R839	QRD161J-682Y	CARBON RESISTOR
	R851	QRD161J-223Y	CARBON RESISTOR
	R852	QRD161J-223Y	CARBON RESISTOR
	R854	QRD161J-102Y	CARBON RESISTOR
	R855	QRD161J-102Y	CARBON RESISTOR
	R856	QRD161J-103Y	CARBON RESISTOR
	R857	QRD161J-223Y	CARBON RESISTOR
	R858	QRD161J-223Y	CARBON RESISTOR
	R859	QRD161J-223Y	CARBON RESISTOR
	R860	QRD161J-223Y	CARBON RESISTOR
	R861	QRD161J-223Y	CARBON RESISTOR
	R862	QRD161J-223Y	CARBON RESISTOR
	R863	QRD161J-223Y	CARBON RESISTOR
	R864	QRD161J-101Y	CARBON RESISTOR
	R866	QRD161J-223Y	CARBON RESISTOR
	R867	QRD161J-102Y	CARBON RESISTOR
	R870	QRD161J-683Y	CARBON RESISTOR
	R871	QRD161J-683Y	CARBON RESISTOR
	R872	QRD161J-224Y	CARBON RESISTOR
	R873	QRD161J-393Y	CARBON RESISTOR
	R874	QRD161J-393Y	CARBON RESISTOR
	R875	QRD14CJ-4R7SX	C RESISTOR
	R876	QRD161J-222Y	CARBON RESISTOR
	R877	QRD161J-223Y	CARBON RESISTOR
	R878	QRD161J-223Y	CARBON RESISTOR
	R879	QRD161J-473Y	CARBON RESISTOR
	R880	QRD161J-222Y	CARBON RESISTOR
	R881	QRD14CJ-100SX	UNF.C.RES.I.M
	R882	QRD161J-152Y	CARBON RESISTOR
	R883	QRD161J-152Y	CARBON RESISTOR
	R884	QRD161J-102Y	CARBON RESISTOR
	R885	QRD161J-103Y	CARBON RESISTOR
	R886	QRD161J-102Y	CARBON RESISTOR
	R887	QRD144J-562S	C RESISTOR
	R888	QRD161J-153Y	CARBON RESISTOR
	R891	QRD161J-223Y	CARBON RESISTOR
	R892	QRD161J-103Y	CARBON RESISTOR
	R893	QRD161J-223Y	CARBON RESISTOR
	R894	QRD161J-223Y	CARBON RESISTOR
⚠	R901	QRD14CJ-4R7SX	C RESISTOR
⚠	R904	QRD14CJ-4R7SX	C RESISTOR
⚠	R905	QRD161J-471Y	CARBON RESISTOR
	R906	QRD161J-471Y	CARBON RESISTOR
	R907	QRD161J-332Y	CARBON RESISTOR
	R908	QRD161J-272Y	CARBON RESISTOR

⚠	REF. NO	PARTS NO.	PARTS NAME
⚠	R912	QRD14CJ-1R0SX	UNF.C.RES.I.M
⚠	R913	QRD14CJ-471SX	C RESISTOR
⚠	R914	QRD14CJ-4R7SX	C RESISTOR
	R915	QRD161J-471Y	CARBON RESISTOR
⚠	R921	QRG029J-330	OMF.RESISTOR
⚠	R923	QRD14CJ-331SX	C RESISTOR
	R931	QRD14CJ-4R7SX	C RESISTOR
	S701	QSP1A11-V01	TACT SWITCH
	S702	QSP1A11-V01	TACT SWITCH
	S705	QSP1A11-V01	TACT SWITCH
	S706	QSP1A11-V01	TACT SWITCH
	S707	QSP1A11-V01	TACT SWITCH
	S708	QSP1A11-V01	TACT SWITCH
	S709	QSP1A11-V01	TACT SWITCH
	S710	QSP1A11-V01	TACT SWITCH
	S713	QSP1A11-V01	TACT SWITCH
	S714	QSP1A11-V01	TACT SWITCH
	S715	QSP1A11-V01	TACT SWITCH
	S716	QSP1A11-V01	TACT SWITCH
	S717	QSP1A11-V01	TACT SWITCH
	S718	QSP1A11-V01	TACT SWITCH
	S719	QSP1A11-V01	TACT SWITCH
	S720	QSP1A11-V01	TACT SWITCH
	S721	QSS7A23-V05	SLIDE SWITCH
	S722	QSS7A23-V05	SLIDE SWITCH
	S723	QSS7A23-V05	SLIDE SWITCH
	S741	QSS7A23-V05	SLIDE SWITCH
	S742	QSS7A23-V05	SLIDE SWITCH
	S743	QSS7A23-V05	SLIDE SWITCH
	S901	QST8101-V04	PUSH SW
	VR101	QVZ3523-202AZ	V RESISTOR
	VR102	QVZ3523-202AZ	V RESISTOR
	VR103	QVZ3523-203AZ	V RESISTOR
	VR104	QVP4A0B-104	V.RESISTOR
	VR201	QVZ3523-202AZ	V RESISTOR
	VR202	QVZ3523-202AZ	V RESISTOR
	VR203	QVZ3523-203AZ	V RESISTOR
	VR204	QVP4A0B-104	V.RESISTOR
	VR701	QVPE602-203	V.RESISTOR
	VR702	QVPE602-103	V.RESISTOR
	VR703	QVPE602-203	V.RESISTOR
	VR704	QVPE602-103	V.RESISTOR
	VR801	QVZ5503-V03	V.RESISTOR
	VR802	QVZ5204-V04	V.RESISTOR
	CA101	QEN61EM-475Z	NP.E.CAPACITOR
	CA102	QFV71HJ-103ZM	TF CAPACITOR
	CA103	QFV71HJ-183ZM	TF.CAPACITOR
	CA104	QETC1HM-684ZN	E.CAPACITOR
	CA105	QETC1HM-225ZN	E.CAPACITOR
	CA106	QFV71HJ-183ZM	TF.CAPACITOR
	CA107	QFV71HJ-103ZM	TF CAPACITOR
	CA108	QFV71HJ-823ZM	TF.CAPACITOR
	CA109	QETC1HM-684ZN	E.CAPACITOR
	CA110	QETC1HM-225ZN	E.CAPACITOR
	CA111	QEN61EM-475Z	NP.E.CAPACITOR
	CA201	QEN61EM-475Z	NP.E.CAPACITOR
	CA202	QFV71HJ-103ZM	TF CAPACITOR
	CA203	QFV71HJ-183ZM	TF.CAPACITOR
	CA204	QETC1HM-684ZN	E.CAPACITOR
	CA205	QETC1HM-225ZN	E.CAPACITOR
	CA206	QFV71HJ-183ZM	TF.CAPACITOR
	CA207	QFV71HJ-103ZM	TF CAPACITOR
	CA208	QFV71HJ-823ZM	TF.CAPACITOR
	CA209	QETC1HM-684ZN	E.CAPACITOR
	CA211	QEN61EM-475Z	NP.E.CAPACITOR
	CA801	QETC1AM-477ZN	E.CAPACITOR
	CA802	QETC1AM-477ZN	E.CAPACITOR
	CNA01	QMV5004-005	CONNECTOR
	CNA02	QMV5004-008	PLUG

⚠ Parts are safety assurance parts
When replacing those parts, make sure to use the specified one.

⚠	REF. NO	PARTS NO.	PARTS NAME
	ICA01	HA12088ANT	DOLBY NR I.C
	LA101	VQZ0034-001	FILTER
	LA102	VQZ0013-001S	FILTER
	LA201	VQZ0034-001	FILTER
	LA202	VQZ0013-001S	FILTER
	RA101	QRD161J-222Y	CARBON RESISTOR
	RA102	QRD161J-472Y	CARBON RESISTOR
	RA103	QRD161J-682Y	CARBON RESISTOR
	RA104	QRD161J-332Y	CARBON RESISTOR
	RA105	QRD161J-332Y	CARBON RESISTOR
	RA106	QRD161J-102Y	CARBON RESISTOR
	RA107	QRD161J-683Y	CARBON RESISTOR
	RA108	QRD161J-101Y	CARBON RESISTOR
	RA201	QRD161J-222Y	CARBON RESISTOR
	RA202	QRD161J-472Y	CARBON RESISTOR
	RA203	QRD161J-682Y	CARBON RESISTOR
	RA204	QRD161J-332Y	CARBON RESISTOR
	RA205	QRD161J-332Y	CARBON RESISTOR
	RA206	QRD161J-102Y	CARBON RESISTOR
	RA207	QRD161J-683Y	CARBON RESISTOR
	RA208	QRD161J-101Y	CARBON RESISTOR
	RA801	QRD161J-100Y	CARBON RESISTOR
	RA802	QRD161J-100Y	CARBON RESISTOR
	RA803	QRD161J-222Y	CARBON RESISTOR
	RA804	QRD161J-203Y	CARBON RESISTOR
	RA805	QRD161J-103Y	CARBON RESISTOR
	CD801	QETB1AM-107N	E.CAPACITOR
	CD802	QFN81HJ-102	M CAPACITOR
	FW16	VWS109-16B24K	UL CP JAMPER
	FW8	VWS102-104K4K	CP JUNPER
	ICD01	LC7583A	IC
	LCD01	VGL1042-001	LCD PANEL
	LHD01	E45524-002	FUSE CLIP
	LHD02	E45524-002	FUSE CLIP
	RD801	QRD144J-473S	CARBON RESISTOR
	RD802	QRD144J-103S	CARBON RESISTOR
	CN11	E04365-003S	CONNECTOR

■ Dolby B-C NR P.C. Board

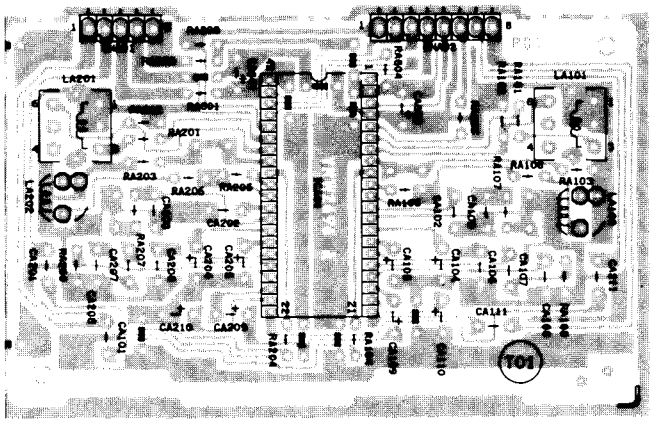


Fig. 10-2

■ LCD Board and Lamp Board

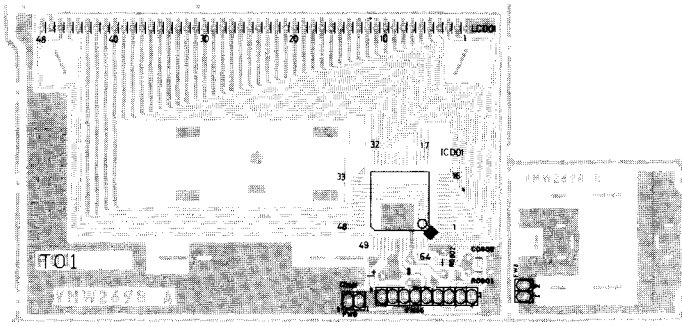


Fig. 10-3

■ Dolby B-C NR Board Parts List

⚠	REF. NO	PARTS NO.	PARTS NAME
	ICA01	HA12088ANT	DOLBY NR I.C
	CNA02	QMV5004-005	CONNECTOR
	CNA01	QMV5004-008	CONNECTOR
	LA102,LA202	VQZ0013-001S	FILTER
	LA101,LA201	VQZ0034-001	FILTER
	RA801,RA802	QRD161J-100	CARBON RESISTOR
	RA108,RA208	QRD161J-101	CARBON RESISTOR
	RA106,RA206	QRD161J-102	CARBON RESISTOR
	RA805	QRD161J-103	CARBON RESISTOR
	RA804	QRD161J-203	CARBON RESISTOR
	RA101,RA201 RA803	QRD161J-222	CARBON RESISTOR
	RA104,RA105 RA204,RA205	QRD161J-332	CARBON RESISTOR
	RA102,RA202	QRD161J-472	CARBON RESISTOR
	RA103,RA203	QRD161J-682	CARBON RESISTOR
	RA107,RA207	QRD161J-683	CARBON RESISTOR
	CA101,CA111 CA201,CA211	QEN41EM-475	NP.E.CAPACITOR
	CA802	QETC1AM-477ZM	E.CAPACITOR
	CA801	QETC1AM-477ZN	E.CAPACITOR
	CA105,CA110 CA205	QETC1HM-225ZN	E.CAPACITOR
	CA104,CA109 CA204,CA209	QETC1HM-684ZN	E.CAPACITOR
	CA102,CA107 CA202,CA207	QFV41HJ-103	TF.CAPACITOR
	CA103,CA106 CA203,CA206	QFV41HJ-183	TF.CAPACITOR
	CA108,CA208	QFV41HJ-823	TF.CAPACITOR

■ LCD Board Parts List

⚠	REF. NO	PARTS NO.	PARTS NAME
	ICD01	LC7583A	IC
	LCD01	VGL1042-001	LCD PANEL
	RD801	QRD144J-473S	C. RESISTOR
	RD802	QRD144J-103S	C. RESISTOR
	CD801	QETB1AM-107N	E. CAPACITOR
	CD802	QFN81HJ-102	M. CAPACITOR
	LHD01, LHD02	E45524-002	FUSE CLIP
	FW16	VWS109-16B24K	UL CP JAMPER
	FW8	VWS102-104K4K	UL CP JAMPER

11 Exploded View of Mechanism Assembly

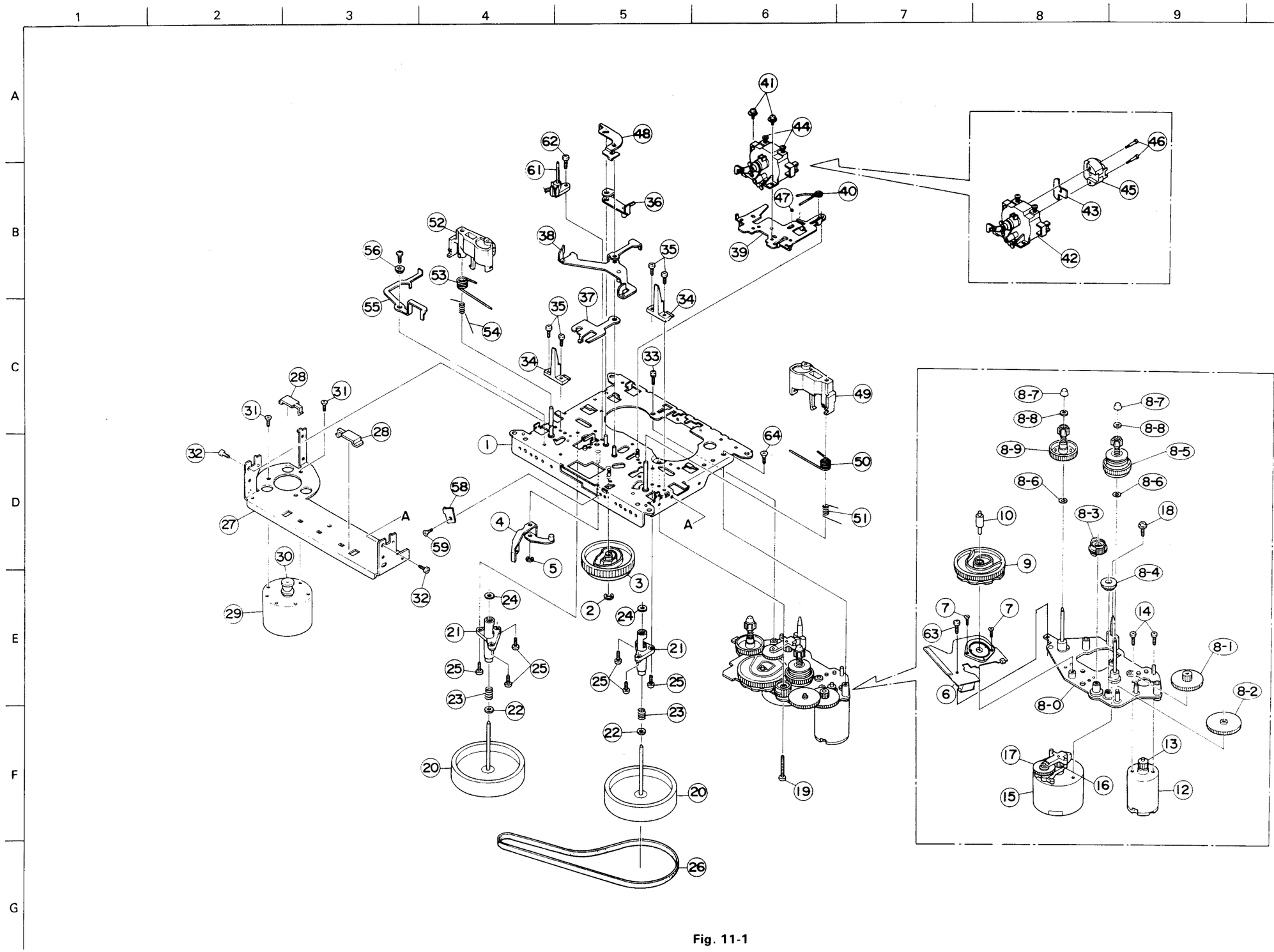


Fig. 11-1

12 Exploded View of Enclosure Assembly

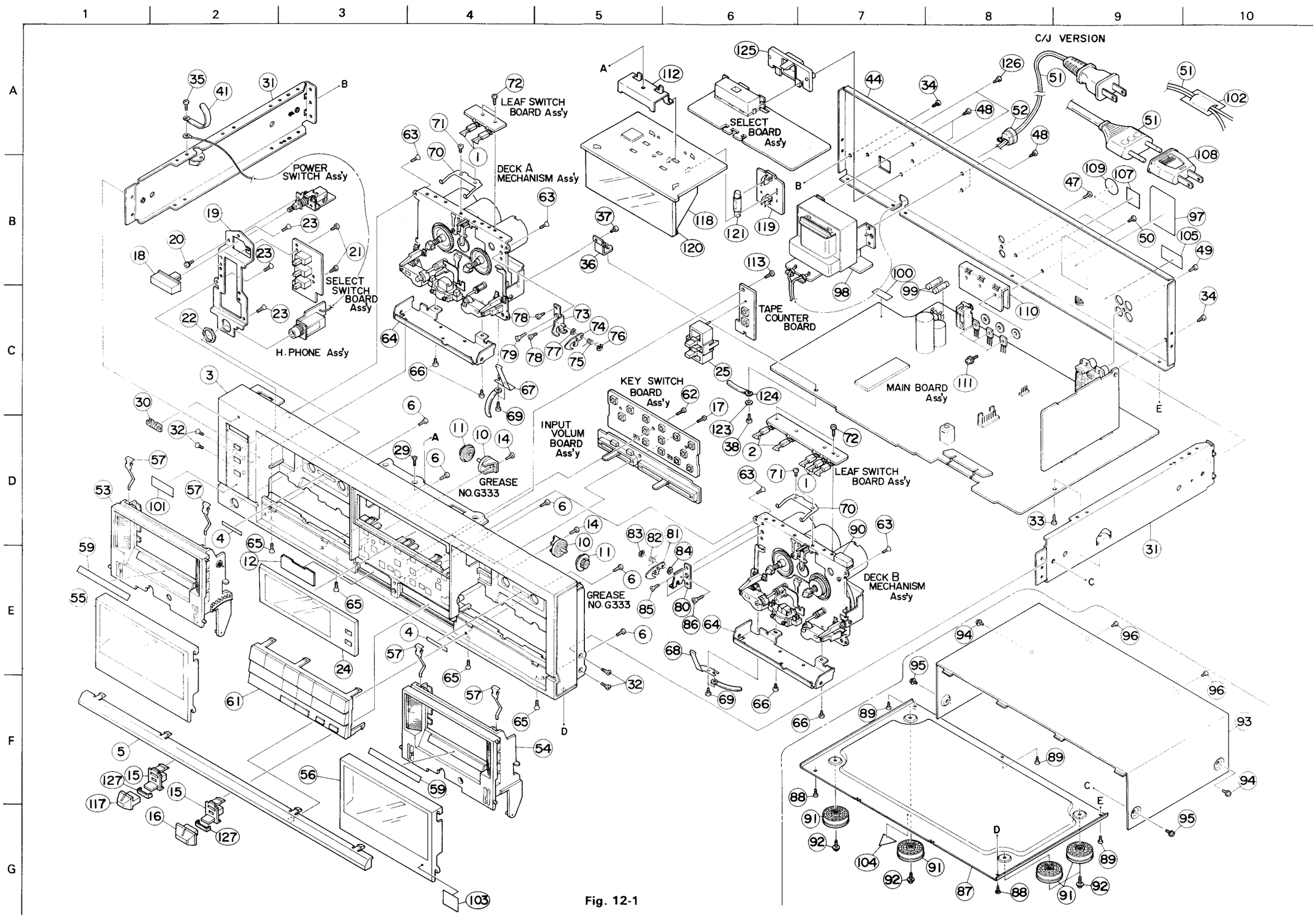


Fig. 12-1

■ Mechanism Assembly Parts List

⚠ Parts are safety assurance parts
When replacing those parts, make sure to use the specified one.

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1	VKL2387-00A	CHASSIS BASE	ASSEMBLY PART	1
	2	REE2000X	E.RING	FOR PINCH ROLLER CAM	1
	3	VKS2186-002	P.ROLLER CAM		1
	4	VKL5333-00E	HEAD LEVER ASY		1
	5	REE1500X	E.RING	FOR HEAD LEVER ASS'Y	1
	6	VKZ3153-00A	COM SWITCH ASSY		1
	7	SSST2006Z	TAP.SCREW	FOR CAM SWITCH ASS'Y	2
	8	VKL2376-00B	DISK BASE UNIT		1
	8-0	VKL2375-001	DISK BASE		1
	8-1	VKR4527-001	HELICAL GEAR	FOR DISK BASE ASS'Y	1
	8-2	VKR3001-002	GEAR(2)	FOR DISK BASE ASS'Y	1
	8-3	VKR3145-002	CAM GEAR	FOR DISK BASE ASS'Y	1
	8-4	VKR4516-001	GEAR	FOR DISK BASE ASS'Y	1
	8-5	VKR4519-00A	REEL DISK ASS'Y	TAKE UP REEL	1
	8-6'	VKZ4003-010	FELT	BACK TENSION	1
		VKZ4003-010	FELT	BACK TENSION	1
	8-7	VKR4170-001	RING	TAKE UP REEL	1
		VKR4170-001	RING	TAKE UP REEL	1
	8-8	VKS4131-001	REEL STOPPER	SUPPLY REEL	1
		VKS4131-001	REEL STOPPER	TAKE UP REEL	1
	8-9	VKR4518-00A	REEL DISK ASS'Y	SUPPLY REEL	1
	9	VKS2188-002	HEAD BASE CAM		1
	10	VKH3004-068	FLANGE SHAFT(A)	HEAD BASE CAM	1
⚠	12	MXN-13AB08A	D.C.MOTOR	M5 FOR CAM	1
	13	VKR4528-001	MOTOR GEAR	CAM MOTOR	1
	14	SPSP3005Z	SCREW	CAM MOTOR	2
⚠	15	MMN-6F4RA88	D.C.MOTOR	M6 FOR REEL	1
	16	VKR3000-003	GEAR(1)	REEL MOTOR	1
	17	VKS4503-00D	F/R.ARM ASS'Y		1
	18	SWSP2608Z	SCREW	REEL MOTOR	1
	19	SDSR2610Z	SCREW	DISK BASE UNIT	1
	20	VKF3149-00B	FLYWHEEL ASS'Y		2
	21	VKF4122-00E	CAPSTAN METAL	FLYWHEEL ASS'Y	2
	22	VKZ4035-010	WASHER	FLYWHEEL ASS'Y	2
	23	VKW3001-241	SPRING(THRUST)	FLYWHEEL ASS'Y	2
	24	VKZ4035-009	WASHER	FLYWHEEL ASS'Y	2
	25	SDST2605Z	SCREW	FLYWHEEL ASS'Y	6
	26	VKB3001-034	BELT	FLYWHEEL ASS'Y	1
	27	VKL3682-001	F.M.BRACKET		1
	28	VKS4437-001	THRUST PLATE	F.M.BRACKET	2
⚠	29	MMU-5B2LWA	D.C.MOTOR	M4 CAPSTAN	1
	30	VKR4364-002	MOTOR PULLEY		1
	31	SSSP2604Z	SCREW	CAPSTAN MOTOR	2
	32	SDST2606Z	SCREW	F.M.BRACKET	2
	34	VKS4901-002	CASSETTE GUIDE		2
	35	SDST2606Z	SCREW	CASSETTE GUIDE	4
	36	VKL5316-00E	H.BASE ARM ASSY		1
	37	VKL5318-003	HEAD ARM	HEAD BASE ARM ASS'Y	1
	38	VKL3413-00D	P.R.LEVER ASS'Y		1
	39	VKL3683-003	HEAD BASE		1
	40	VKW4467-004	TORSION SPRING	HEAD BASE	1
	41	KPSP2004Z	SCREW	HEAD MOUNT+HEAD BASE	2
	42	VKS3349-00C	H.MOUNTBASE ASY	ASS'Y PARTS	1
	43	VKZ4271-002	WIRE STOPPER	HEAD MOUNTBASE ASS'Y	1
	44	VKZ4514-001	SPECIAL SCREW	HEAD MOUNTBASE ASS'Y	2
	45	VGH0425-536	R/P & E HEAD	FOR MECHA.B	1
	46	VKZ4291-005	HEAD SCREW	FOR MECHA.B	2
	47	T41615-004	STEEL BALL	HEAD BASE	1
	48	VKY4425-002	SPRING PLATE	HEAD BASE	1
	49	VKP4169-00D	P.R.ARM ASS'Y	RIGHT	1
	50	VKW3006-130	TORSION SPRING	PINCH ROLLER	1
	51	VKW3006-057	TORSION SPRING	RETURN	1
	52	VKP4171-00D	P.R.ARM ASS'Y	LEFT	1
	53	VKW3006-131	TORSION SPRING	PINCH ROLLER	1
	54	VKW3006-143	TORSION SPRING	RETURN	1
	55	VKL5492-002	DOOR SAFTEY		1
	56	VKZ4323-001	SCREW	FOR DOOR SAFTEY	1
	58	VKL5398-001	BRACKET	FOR MECHA.B	1
	59	SSST2605Z	SCREW	BRACKET+CHASSIS BASE	1
	61	SPI-302	REFLECTOR		1
	62	SDST2606Z	SCREW	FOR REFLECTOR	1
	63	SDST2604Z	SCREW	DISK BASE UNIT	1
	64	LPSP2614Z	SCREW	REEL MOTOR	1
	67	VKY4547-001	MIRROR	HEAD MOUNTBASE ASS'Y	1
	ICM1	DN6838A	HALL I.C	ICM1	1
	ICM3	DN6838A	HALL I.C		1

■ Enclousure Assembly Parts List

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1	VSH1140-002	LEAF SWITCH	FOR MECHANISM A,B	7
	3	VJC1693-007	FRONT PANEL	TD-W777A/B/C/E/G/U	1
		VJC1693-008UL	FRONT PANEL	TD-W777J	1
	4	VJD4024-001	REFLECTION PLAT	FOR FRONT PANEL	2
	5	VJD2329-002	ESCUTCHEON	FOR FRONT PANEL	1
	6	SSSF2608N	SCREW	ESCUTCHEON+F.PANEL	5
	10	VYH5602-002	DAMP HOLDER	FOR FRONT PANEL	2
	11	VYH5601-002	GEAR	FOR DAMP HOLDER	2
	14	SDSF3010Z	TAP.SCREW	FOR DAMP HOLDER	2
	15	VKS5122-003	SLIDER	BALANCE,INPUT VOLUME	2
	16	VXS4291-001	SLIDE KNOB	FOR INPUT LEVEL	1
	17	SDSF2608Z	SCREW	VOL.BOARD+F.PANEL	1
	18	E72789-001	PUSH KNOB	FOR POWER SWITCH	1
	19	VKL6459-001	POWER BRACKET	FOR POWER SWITCH	1
	20	LPSP3006Z	SCREW	POWER SW.+POWER BKT	1
	21	SDST2606Z	SCREW	POWER BKT+SELECT PWB	2
	22	VKZ4150-001	SPECIAL NUT	FOR HEADPHONE JACK	1
	23	SSSF3010Z	SCREW	POWER BKT+F.PANEL	3
	24	VJK3439-001	FINDER		1
	25	VXP4775-001	PUSH KNOB	FOR COUNTER RESET	1
	29	SSST3006Z	SCREW	F.PANEL+PWB BRACKET	1
	30	E72968-001	JVC MARK	FOR FRONT PANEL	1
	31	VKL2388-002	SIDE CHASSIS		2
	32	SSST3006Z	SCREW	F.PANEL+SIDE CHASSIS	4
	33	SDST3006Z	SCREW	SIDE CHASSIS+AMP.PWB	1
	34	SDST3006M	SCREW	S.CHASSIS+R.PANEL	2
	35	SDST3006Z	SCREW	S.CHASSIS+WIRE HOLDE	1
	36	VKL6460-001	AMP.BRACKET	FM.BRACKET+AMP PWB	1
	37	SDST2605Z	SCREW	AMP BKT+FM.BRACKET	1
	38	SDST3006Z	SCREW	AMP BOARD+AMP BKT	1
	41	VKZ4001-007	WIRE CLAMP	FOR SIDE CHASSIS	1
	44	VJC2325-001	REAR PANEL	TD-W777C/J	1
		VJC2325-002	REAR PANEL	TD-W777A/B/E/G/U	1
	47	SDSF3008M	SCREW	DCS JACK+REAR PANEL	1
	48	SDST3006M	SCREW	REAR PANEL+P.TRANS '	4
	49	SDSF3008M	SCREW	FOR PIN JACK	1
	50	SDSF3008M	SCREW	HEAT SINK+REAR PANEL	2
⚠	51	QMP2560-200	POWER CORD	TD-W777A/C/E/G/J/U	1
⚠		QMP9017-008BS	POWER CORD	TD-W777B	1
⚠	52	QHS3876-162	S.R.BUSHING	FOR POWER COARD	1
⚠		QHS3876-162BS	S.R.BUSHING	TD-W777B ONLY	1
	53	VJT2179-003	CASSETTE DOOR	FOR MECHA.A	1
	54	VJT2179-004	CASSETTE DOOR	FOR MECHA.B	1
	55	VJT2180-001	CASSETTE LID	FOR MECHA.A	1
	56	VJT2180-002	CASSETTE LID	FOR MECHA.B	1
	57	VKY4180-001	CASSETTE SPRING	FOR CASSETTE DOOR	4
	59	VJD5143-005	HOLDER PLATE	FOR CASSETTE DOOR	2
	61	VXP4770-00B	BUTTON ASS'Y	FOR OPERATION	1
	63	SSSF3010Z	SCREW	MECHA.+FRONT PANEL	4
	64	VKL3883-001	MECHA.BRACKET	MECHA.+FRONT PANEL	2
	65	SSST3008Z	SCREW	MECHA.BKT+F.PANEL	4
	66	SDST2605Z	SCREW	MECHA.+MECHA.BKT	4
	67	VKY4497-002	HOLDER SPRING	FOR MECHA.A	1
	68	VKY4497-003	HOLDER SPRING	FOR MECHA.B	1
	69	SDST2605Z	SCREW	MECHA.+HOLDER SPRING	4
	70	VKY4279-001	PACK SPRING	MECHANISM A,B	2
	71	SDST2605Z	SCREW	MECHA.+PACK SPRING	4
	72	SDST2608Z	SCREW	MECHA.+LEAF SW. PWB	5
	73	VKL6073-00A	LOCK BKT ASS'Y	FOR MECHA.A	1
	74	VKL5342-003	LOCK CAM(A)	LOCK BRACKET ASS'Y	1
	75	VKW3006-073	SPRING	FOR LOCK CAM(A)	1
	76	REE2000X	E.RING	FOR LOCK CAM(A)	1
	77	Q03093-115	NYLON WASHER	LOCK BKT+LOCK CAM(A)	1
	78	SSST2605Z	SCREW	LOCK BRACKET+MECHA.	2
	79	SSSF3010Z	SCREW	LOCK BKT+DISK BASE	1
	80	VKL6461-00A	LOCK BKT ASS'Y	FOR MECHA.B	1
	81	VKL5345-003	LOCK CAM (B)	LOCK BRACKET ASS'Y	1
	82	VKW3006-074	SPRING	FOR LOCK CAM(B)	1
	83	REE2000X	E.RING	FOR LOCK CAM(B)	1
	84	VYSS2R5-016	N.WASHER	LOCK BKT+LOCK CAM(B)	1
	85	SSST2605Z	SCREW	LOCK BRACKET+MECHA.	2
	86	SSSF3010Z	SCREW	LOCK BKT+DISK BASE	1
	87	VJC1695-001	BOTTOM COVER		1
	88	SDSF3008Z	SCREW	BOTTOM COVER+F.PANEL	2
	89	SDST3006Z	SCREW	BOTTOM COVER+R.PANEL	3
	90	VYSR112-006	SPACER	FOR MECHA.B	1
	91	E74205-002	FOOT ASS'Y	FOR BOTTOM COVER	4
	92	GBST3008Z	TH.TAP.SCREW	FOOT ASS'Y+B.COVER	4
	93	VJC1694-001	TOP COVER		1
	94	VKZ3001-004	SPECIAL SCREW	TOP COVER+S.CHASSIS	2
	95	VKZ3001-004	SPECIAL SCREW	TOP COVER+S.COVER	2
	96	SDST3006M	SCREW	TOP COVER+R.PANEL	2
⚠	97	VYN2222-002PA	NAME PLATE	TD-W777A/B/G	1
⚠		VYN2222-005PA	NAME PLATE	TD-W777E	1
⚠		VYN2222-006PA	NAME PLATE	TD-W777J	1
⚠		VYN2222-007PA	NAME PLATE	TD-W777U	1
⚠	98	VTP54A3-051BN	POWER TRANS	TD-W777C/J/U	1
⚠		VTP54C3-061B	POWER TRANS	TD-W777A/B/E/G	1
		VTP54C3-061BBS	POWER TRANS	TD-W777B	1
⚠	99	QMF51A2-R80	FUSE	TD-W777A/E/G/U	2
⚠		QMF51E2-R80BS	FUSE	TD-W777B	2
	100	VND4003-032	FUSE LABEL	TD-W777U	1
	101	TJL000420-01	CAUTION LABEL	TD-W777B	1
	102	QZL1002-003	WARNING LABEL	TD-W777B	1
	103	VNC5004-001	MARK STICKER	TD-W777B/E/G	1
	104	VND4113-001	G.CAUTION CARD	TD-W777B/J	1
	105	VND4205-002	CAUTION LABEL	TD-W777B	1
	107	T44362-001	CSA LABEL	TD-W777C	1
	108	V04062-001	CONTI.PLUG	TD-W777U	1
	109	VND4037-002	F MARK	TD-W777G	1
	112	VKL6474-001	PWB BRACKET	FOR LCD BOARD	1
	113	SDSF3008Z	SCREW	C.RESETPWB+F.PANEL	1
	117	VXS4295-001	SLIDE KNOB	FOR BALANCE	1
	118	VKM3150-001	REFLECTOR	FOR LCD	1
	119	VYTT488-005	LCD SHEET	FOR REFLECTER	1
	120	VYSH102-052	SPACER	FOR LCD SHEET	1
	121	VGZ0001-031	LAMP	FOR REFLECTER	1
	123	WBS3000N	WASHER	AMP BOARD+AMP BKT	1
	124	VKZ4001-007	WIRE CLAMP	AMP BOARD+FM.BRACKET	1
	125	VKS5011-001	VOLTAGE CONTACT	FOR POWER TRANS.	1
	126	SDSF3008M	SCREW	FOR VOLTAGE CONTACT	2
	127	VYSA1R2-025	SPACER	FOR SLIDER	2
		ZCTDW777J-FBK	FRONT PANEL ASS'Y	TD-W777J REF. 3, 4, 30	1
		ZCTDW777K-FBK	FRONT PANEL ASS'Y	OTHER AREAS REF. 3, 4, 30	1
		ZCTDW777K-CHA	CASSETTE DOOR ASS'Y (A)	REF. 53, 57, 59	1
		ZCTDW777K-CHB	CASSETTE DOOR ASS'Y (B)	REF. 54, 57, 59	1

13 Block Diagram

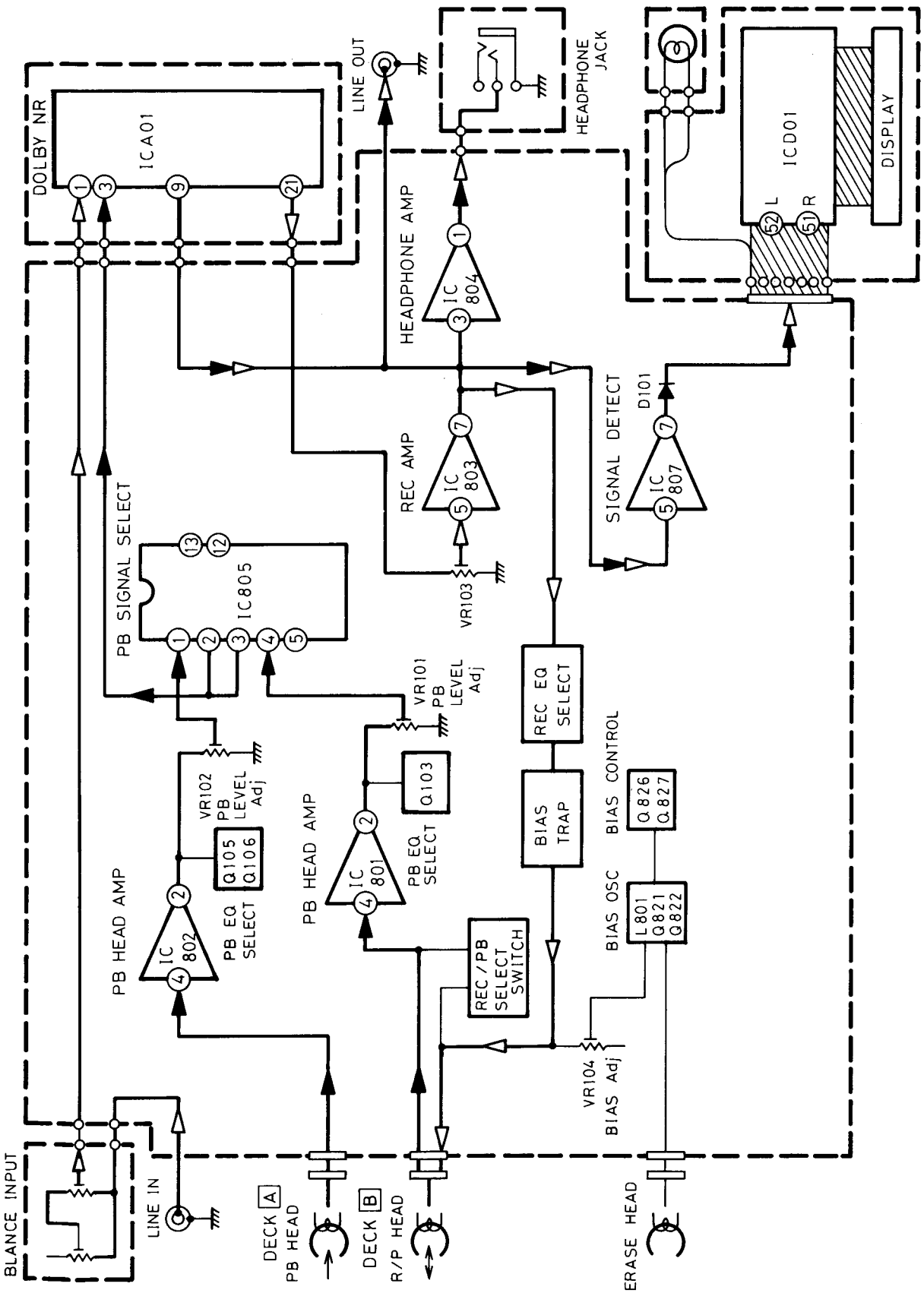


Fig. 13-1

14 Packing Illustration and Parts List

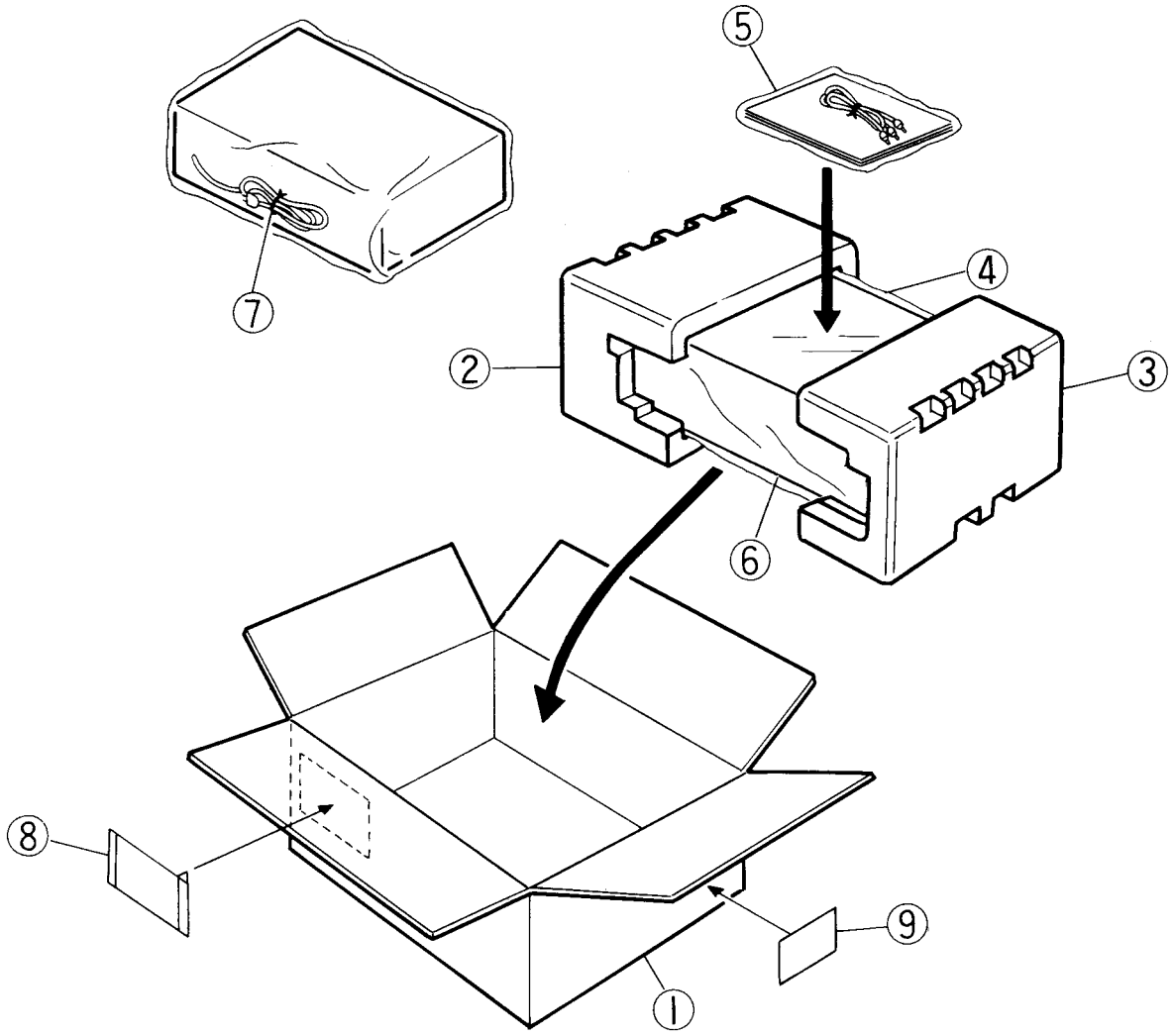


Fig. 14-1

■ Packing Parts List

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1	VPC2222-002	Carton		1
	2	VPH2344-001	Cushion	Left side	1
	3	VPH2345-001	"	Right side	1
	4	VPE3005-026	Poly Bag	for Unit	1
	5	VPE3005-007	"	for Instruction Book	1
	6	TKS000501-08	Sheet		1
	7	Q04141H	Wire Clamp	for Power Cord	1
	8	E66416-003	Envelope	for Warranty Card (J/U version)	1
	9	VND3044-001	Serial Ticket	A/C/U version (White)	
	"	" -002	"	J version (Orange)	
	"	" -003	"	E version (Blue)	
	"	" -004	"	B version (Gray)	
	"	" -005	"	G version (Red)	

15 Accessories

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	Parts No.	Parts Name	Remarks	Q'ty
	VNN2222-661	Instruction Book		1
	TCP-3304	Audio Tape Pamphlet		1
	BT20029C	Warranty Card	A version	1
	BT20098	"	A version	1
	BT20060	"	B version	1
	BT20066	"	B/G version	1
	BT20025J	"	C version	1
	BT20071A	SVC Centre List	C version	1
	BT20047C	Warranty Card	J/U version, for PX, EES	1
	BT20046C	Special Reply Card	J/U version, for PX, EES	1
	BT20044E	Safety Guide	J/U version	1
	BT20064A	Warranty Card	G version, for JED	1
	VNC2200-019	Copyright Law	A/B/C/E/U version	1
	VND4113-001	G Caution	B, J version	1
	VNC1200-002	Copyright Law	C version	1
	VMP0039-00D	Pin Cord		1
	EWP805-001E	Remote Wire		1
	V04062-001	Conti. Plug	U version only	1